

IDAHO OIL AND GAS CONSERVATION COMMISSION OPEN MEETING CHECKLIST

FOR MEETING DATE: February 5, 2020

**Regular Meetings**

01/21/2020	Notice of Meeting posted in prominent place in IDL's Boise Headquarters office five (5) calendar days before meeting.
01/21/2020	Notice of Meeting posted in prominent place in IDL's Coeur d'Alene Headquarters office five (5) calendar days before meeting.
01/21/2020	Notice of Meeting posted in prominent place at meeting location five (5) calendar days before meeting.
01/21/2020	Notice of Meeting emailed/faxed to list of media and interested citizens who have requested such notice five (5) calendar days before meeting.
01/21/2020	Notice of Meeting posted electronically on the OGCC public website <a href="https://ogcc.idaho.gov/">https://ogcc.idaho.gov/</a> five (5) calendar days before meeting.
01/31/2020	Agenda posted in prominent place in IDL's Boise Headquarters office forty-eight (48) hours before meeting.
01/31/2020	Agenda posted in prominent place in IDL's Coeur d'Alene Headquarters office forty-eight (48) hours before meeting.
01/31/2020	Agenda posted in prominent place at meeting location forty-eight (48) hours before meeting.
01/31/2020	Agenda emailed/faxed to list of media and interested citizens who have requested such notice forty-eight (48) hours before meeting.
01/31/2020	Agenda posted electronically on the OGCC public website <a href="https://ogcc.idaho.gov/">https://ogcc.idaho.gov/</a> forty-eight (48) hours before meeting.
11/21/19	Annual meeting schedule posted – Director's Office, Boise and Staff Office, CDA

**Special Meetings**

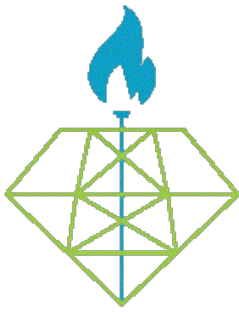
	Notice of Meeting and Agenda posted in a prominent place in IDL's Boise Headquarters office twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda posted in a prominent place in IDL's Coeur d'Alene Headquarters office twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda posted at meeting location twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda emailed/faxed to list of media and interested citizens who have requested such notice twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda posted electronically on the OGCC public website <a href="https://ogcc.idaho.gov/">https://ogcc.idaho.gov/</a> twenty-four (24) hours before meeting.
	Emergency situation exists – no advance Notice of Meeting or Agenda needed. "Emergency" defined in Idaho Code § 74-204(2).

**Executive Sessions** *(If only an Executive Session will be held)*

	Notice of Meeting and Agenda posted in IDL's Boise Headquarters office twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda posted in IDL's Coeur d'Alene Headquarters office twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda emailed/faxed to list of media and interested citizens who have requested such notice twenty-four (24) hours before meeting.
	Notice of Meeting and Agenda posted electronically on the OGCC public website <a href="https://ogcc.idaho.gov/">https://ogcc.idaho.gov/</a> twenty-four (24) hours before meeting.
	Notice contains reason for the executive session and the applicable provision of Idaho Code § 74-206 that authorizes the executive session.

*Kourtney Romine*  
RECORDING SECRETARY

01/31/2020  
DATE



## IDAHO OIL AND GAS CONSERVATION COMMISSION

Betty Coppersmith, Chairman  
Marc Shigeta, Vice Chairman  
Jim Classen, Commissioner  
Dr. Renee Love, Commissioner  
Dustin T. Miller, Commissioner

Mick Thomas, Secretary to the Commission

# NOTICE OF PUBLIC MEETING FEBRUARY 2020

The Idaho Oil and Gas Conservation Commission will hold a Regular Meeting on **Wednesday, February 5, 2020** at the **Boise City Council Chambers, Boise City Hall, 3rd Floor, 150 N. Capitol Blvd., Boise**. The meeting is scheduled to begin at **9:30 am (MT)**.

***Please note meeting location and time.***

***Directions:*** Enter City Hall from Capitol Blvd.; take the Capitol Boulevard elevators to the 3rd floor; Council Chambers are directly across from the elevators.

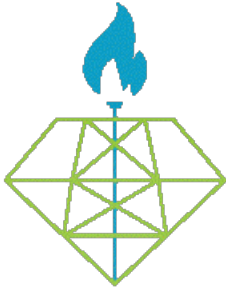
IDAHO OIL & GAS  
CONSERVATION COMMISSION

First Notice Posted: 01/21/2020-IDL Boise; 01/21/2020-IDL CDA

***The Idaho Oil and Gas Conservation Commission is established by Idaho Code § 47-314.***

*Idaho Department of Lands, 300 N 6th Street, Suite 103, Boise ID 83702*

This notice is published pursuant to § 74-204 Idaho Code. For additional information regarding Idaho's Open Meeting law, please see Idaho Code §§ 74-201 through 74-208.



IDAHO OIL AND GAS CONSERVATION COMMISSION

Betty Coppersmith, Chairman  
Marc Shigeta, Vice Chairman  
Jim Classen, Commissioner  
Dr. Renee Love, Commissioner  
Dustin T. Miller, Commissioner

Mick Thomas, Secretary to the Commission

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Final Agenda

Idaho Oil and Gas Conservation Commission Regular Meeting

February 5, 2020 – 9:30 AM (MT)

Boise City Council Chambers, Boise City Hall, 3rd Floor, 150 N. Capitol Blvd., Boise

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***Please note meeting time and location.***

***Directions: Enter City Hall from Capitol Blvd.; take the Capitol Boulevard elevators to the 3rd floor; Council Chambers are directly across from the elevators***

- **ANNOUNCEMENTS**

*No public comment will be taken at this meeting.*

- 1. **Division Administrator's Report**

- A. Financial Update
- B. Current Oil and Gas Activity
- C. Status Update
  - i. 2020 Legislative Session

- **CONSENT – ACTION ITEM(S)**

- 2. **Approval of Minutes** – November 13, 2019 – Regular Meeting (Boise)

- **REGULAR – ACTION ITEM(S)**

- 3. **State Review of Oil and Natural Gas Environmental Regulation (S.T.R.O.N.G.E.R.)** – Presented by Mick Thomas, Division Administrator – Minerals, Public Trust, and Oil & Gas

- 4. **Statutory reform regarding the Roles of the Commission** – Presented by Mick Thomas, Division Administrator – Minerals, Public Trust, and Oil & Gas

- **INFORMATION**

- 5. **Presentation - Idaho Geological Survey Oil and Gas Program** – Presented by Mark Barton, Petroleum Geologist, Idaho Geological Survey

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Idaho Oil and Gas Conservation Commission  
Final Agenda  
Regular Meeting (Boise) – February 5, 2020  
Page 1 of 2

- **EXECUTIVE SESSION**

None



# IDAHO OIL & GAS CONSERVATION COMMISSION



# Idaho Statutes

Idaho Statutes are updated to the web July 1 following the legislative session.

TITLE 74  
TRANSPARENT AND ETHICAL GOVERNMENT  
CHAPTER 2  
OPEN MEETINGS LAW

74-206. EXECUTIVE SESSIONS – WHEN AUTHORIZED. (1) An executive session at which members of the public are excluded may be held, but only for the purposes and only in the manner set forth in this section. The motion to go into executive session shall identify the specific subsections of this section that authorize the executive session. There shall be a roll call vote on the motion and the vote shall be recorded in the minutes. An executive session shall be authorized by a two-thirds (2/3) vote of the governing body. An executive session may be held:

- (a) To consider hiring a public officer, employee, staff member or individual agent, wherein the respective qualities of individuals are to be evaluated in order to fill a particular vacancy or need. This paragraph does not apply to filling a vacancy in an elective office or deliberations about staffing needs in general;
- (b) To consider the evaluation, dismissal or disciplining of, or to hear complaints or charges brought against, a public officer, employee, staff member or individual agent, or public school student;
- (c) To acquire an interest in real property not owned by a public agency;
- (d) To consider records that are exempt from disclosure as provided in chapter 1, title 74, Idaho Code;
- (e) To consider preliminary negotiations involving matters of trade or commerce in which the governing body is in competition with governing bodies in other states or nations;
- (f) To communicate with legal counsel for the public agency to discuss the legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated. The mere presence of legal counsel at an executive session does not satisfy this requirement;
- (g) By the commission of pardons and parole, as provided by law;
- (h) By the custody review board of the Idaho department of juvenile corrections, as provided by law;
- (i) To engage in communications with a representative of the public agency's risk manager or insurance provider to discuss the adjustment of a pending claim or prevention of a claim imminently likely to be filed. The mere presence of

a representative of the public agency's risk manager or insurance provider at an executive session does not satisfy this requirement; or

(j) To consider labor contract matters authorized under section 74-206A (1)(a) and (b), Idaho Code.

(2) The exceptions to the general policy in favor of open meetings stated in this section shall be narrowly construed. It shall be a violation of this chapter to change the subject within the executive session to one not identified within the motion to enter the executive session or to any topic for which an executive session is not provided.

(3) No executive session may be held for the purpose of taking any final action or making any final decision.

(4) If the governing board of a public school district, charter district, or public charter school has vacancies such that fewer than two-thirds (2/3) of board members have been seated, then the board may enter into executive session on a simple roll call majority vote.

History:

[74-206, added 2015, ch. 140, sec. 5, p. 371; am. 2015, ch. 271, sec. 1, p. 1125; am. 2018, ch. 169, sec. 25, p. 377; am. 2019, ch. 114, sec. 1, p. 439.]

How current is this law?

**Search the Idaho Statutes and Constitution**

IDAHO OIL & GAS  
CONSERVATION COMMISSION

**Oil and Gas Regulatory Program  
Activities Report as of November, 2019  
Fund 0075-14 Oil and Gas Conservation Fund Cash Flow Report**

		Current Month	Year-to-Date
<b>Beginning Cash Balance 7/1/2019</b>	253,393.68		
Permits		0.00	2,600.00
*Severance Tax		0.00	16,538.42
Refund (previous year)		0.00	0.00
Other (transfer to GF)		0.00	0.00
<b>Total</b>		<u>0.00</u>	<u>19,138.42</u>
Personnel Expenditures		(9,555.53)	(36,617.59)
Operating Expenditures		(1,827.05)	(8,008.06)
P-Card Liability to be paid		0.00	0.00
<b>Ending Cash Balance 11/30/2019</b>			<u><u>227,906.45</u></u>

\*The Idaho Tax Commission transfers 60% of the 2.5% Severance Tax to Fund 0075-14 Oil and Gas Conservation Fund to defray the expense of the Oil and Gas Commission.

**General Fund Regulatory Program Expenditures Report**

**Expenditures from General Fund FY20**

	Appropriation	Current Month	Year-to-Date	Balance
<b>PCA 55000 Expenses</b>				
PC	400,005.00	44,086.25	166,711.88	233,293.12
OE	102,200.00	13,008.37	48,277.70	53,922.30
CO	0.00	0.00	0.00	0.00
<b>Total</b>	<u>502,205.00</u>	<u>57,094.62</u>	<u>214,989.58</u>	<u>287,215.42</u>

**Dedicated Fund Regulatory Program Expenditures Report**

**Expenditures from Dedicated Fund FY20**

	Appropriation	Current Month	Year-to-Date	Balance
<b>PCA 55070 Expenses</b>				
PC	87,343.00	9,555.53	36,617.59	50,725.41
OE	85,000.00	1,827.05	8,008.06	76,991.94
CO		0.00	0.00	0.00
<b>Total</b>	<u>172,343.00</u>	<u>11,382.58</u>	<u>44,625.65</u>	<u>127,717.35</u>

**Oil and Gas Regulatory Program  
Activities Report as of December, 2019  
Fund 0075-14 Oil and Gas Conservation Fund Cash Flow Report**

		Current Month	Year-to-Date
<b>Beginning Cash Balance 7/1/2019</b>	253,393.68		
Permits		0.00	2,600.00
*Severance Tax		7,319.39	23,857.81
Refund (previous year)		0.00	0.00
Other (transfer to GF)		0.00	0.00
<b>Total</b>		<u>7,319.39</u>	<u>26,457.81</u>
Personnel Expenditures		<b>(6,702.71)</b>	<b>(43,320.30)</b>
Operating Expenditures		<b>(53.52)</b>	<b>(8,061.58)</b>
P-Card Liability to be paid		0.00	0.00
<b>Ending Cash Balance 12/31/2019</b>			<u><u>228,469.61</u></u>

\*The Idaho Tax Commission transfers 60% of the 2.5% Severance Tax to Fund 0075-14 Oil and Gas Conservation Fund to defray the expense of the Oil and Gas Commission.

**General Fund Regulatory Program Expenditures Report**

**Expenditures from General Fund FY20**

	Appropriation	Current Month	Year-to-Date	Balance
<b>PCA 55000 Expenses</b>				
PC	395,005.00	30,585.78	197,297.66	197,707.34
OE	102,200.00	571.72	48,849.42	53,350.58
CO	0.00	0.00	0.00	0.00
<b>Total</b>	<u>497,205.00</u>	<u>31,157.50</u>	<u>246,147.08</u>	<u>251,057.92</u>

**Dedicated Fund Regulatory Program Expenditures Report**

**Expenditures from Dedicated Fund FY20**

	Appropriation	Current Month	Year-to-Date	Balance
<b>PCA 55070 Expenses</b>				
PC	87,343.00	6,702.71	43,320.30	44,022.70
OE	85,000.00	53.52	8,061.58	76,938.42
CO		0.00	0.00	0.00
<b>Total</b>	<u>172,343.00</u>	<u>6,756.23</u>	<u>51,381.88</u>	<u>120,961.12</u>





# Southwest Idaho Oil & Gas Activity Map



## Legend

<b>Active Oil and Gas Wells</b>		<b>Inactive Oil and Gas Wells</b>		Gas Pipeline	Gas Plant
Shut in Gas	Plugged and Abandoned (P&A) Oil Show	Gas Transmission Pipeline	Idaho Mineral Estate	Highway	<b>Surface Ownership</b>
Producing - Multi Zone	Plugged and Abandoned (P&A) Gas Show	Township	BLM	Sections	IDF&G
Producing	Plugged and Abandoned (P&A) Gas Well	Counties	IDL	Approved Integration/Spacing Request	
Permitted	Plugged and Abandoned	Expired Integration/Spacing Order		Integration/Spacing Request	
	APD Submitted				

No.	US Well Number	Operator	Well Name	Status
1	11-075-20004	AM Idaho, LLC	Espino #1-2	Plugged
2	11-075-20005	AM Idaho, LLC	State #1-17	Plugged
3	11-075-20007	AM Idaho, LLC	ML Investments #1-10	Plugged
4	11-075-20009	AM Idaho, LLC	Island Capitol #1-19	Plugged
5	11-075-20011	AM Idaho, LLC	Tracy Trust #3-2	Shut in
6	11-075-20013	AM Idaho, LLC	White #1-10	Plugged
7	11-075-20014	AM Idaho, LLC	Korn #1-22	Plugged
8	11-075-20020	AM Idaho, LLC	DJS Properties #1-15	Producing
9	11-075-20022	AM Idaho, LLC	ML Investments #2-10	Producing
10	11-075-20023	AM Idaho, LLC	DJS Properties #2-14	Shut in (Class II appl.)
11	11-075-20024	AM Idaho, LLC	Kauffman #1-34	Shut In
12	11-075-20025	AM Idaho, LLC	ML Investments #1-11	Producing
13	11-075-20026	AM Idaho, LLC	ML Investments #1-3	Producing
14	11-075-20027	AM Idaho, LLC	Kauffman #1-9	Producing (11-2019)
15	11-075-20029	AM Idaho, LLC	ML Investments #2-3	Producing
16	11-075-20031	AM Idaho, LLC	ML Investments #3-10	Producing
17	11-075-20032	AM Idaho, LLC	Fallon #1-10	Shut In
18	11-075-20033	AM Idaho, LLC	Barlow #1-14	Shut In

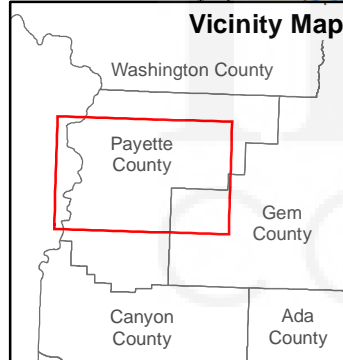
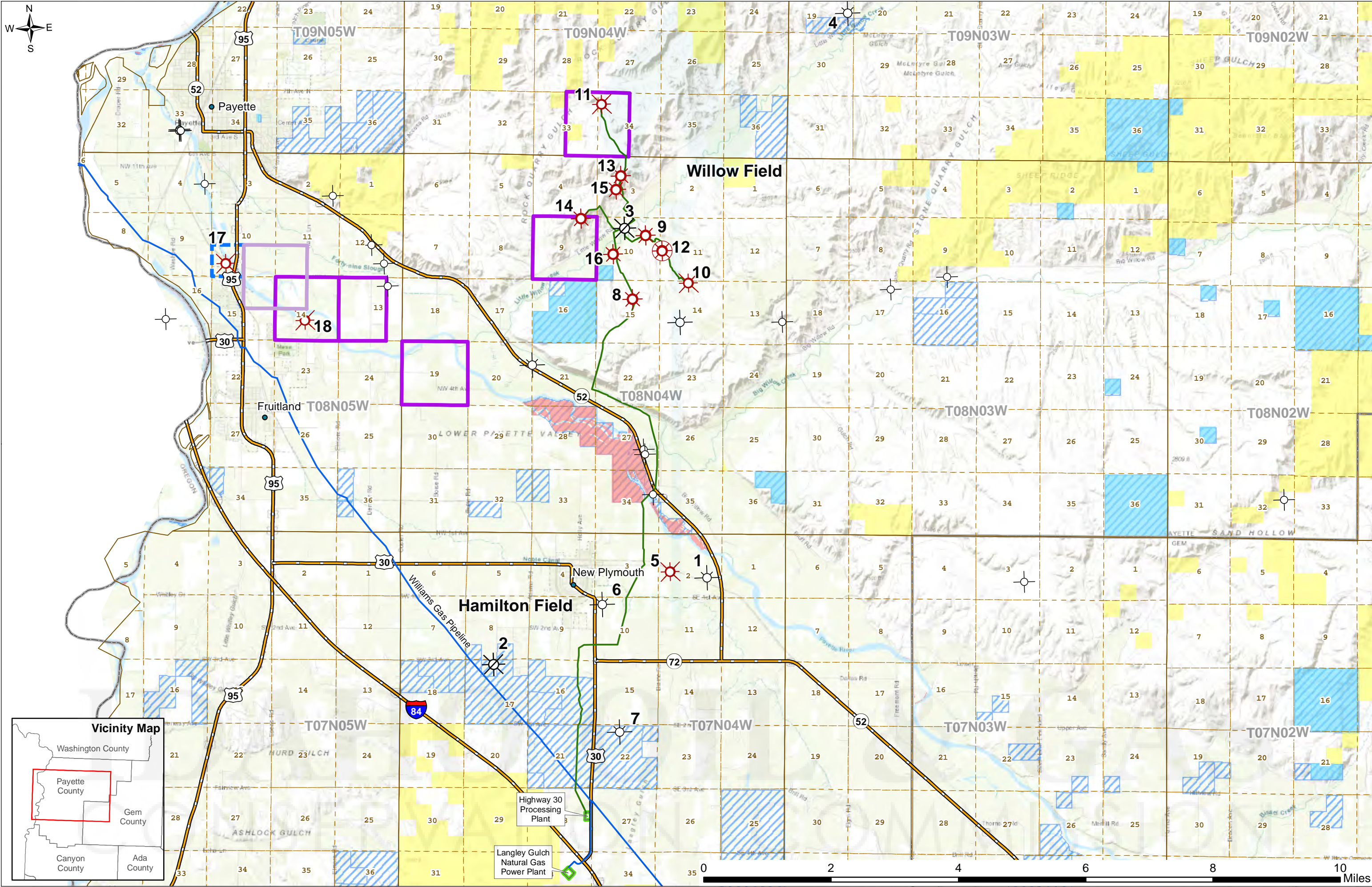
### Map Notes and Data Sources

Inactive and Active Oil And Gas Wells through 1/23/2020

Data Sources: Idaho Department of Lands and Idaho Geological Survey

### Disclaimer:

This map has been compiled using the best information available to the Idaho Department of Lands at the time and may be updated and/or revised without notice. In situations where known accuracy and completeness is required, the user has the responsibility to verify the accuracy of the map and the underlying data sources.



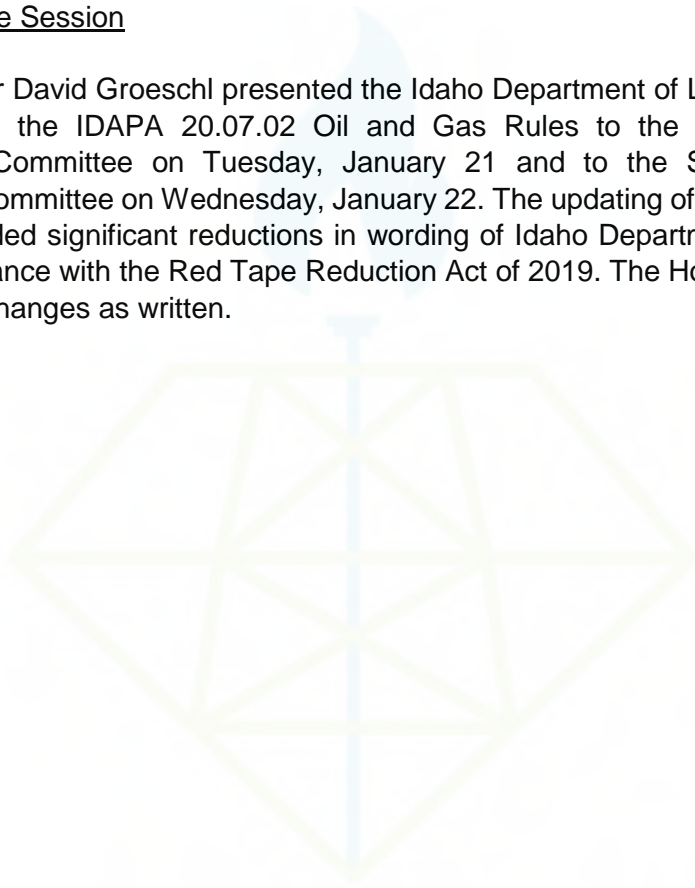
Highway 30 Processing Plant  
Langley Gulch Natural Gas Power Plant

Division Administrator's Report  
February 5, 2020

Item 1C - Status Update

i. 2020 Legislative Session

Deputy Director David Groeschl presented the Idaho Department of Lands Omnibus Rules which includes the IDAPA 20.07.02 Oil and Gas Rules to the House Resources & Conservation Committee on Tuesday, January 21 and to the Senate Resources & Environment Committee on Wednesday, January 22. The updating of the Oil & Gas rules in 20.07.02 provided significant reductions in wording of Idaho Department of Lands related rules in compliance with the Red Tape Reduction Act of 2019. The House and Senate both approved the changes as written.



IDAHO OIL & GAS  
CONSERVATION COMMISSION



IDAHO OIL AND GAS CONSERVATION COMMISSION

Betty Coppersmith, Chairman  
Marc Shigeta, Vice Chairman  
Jim Classen, Commissioner  
Dr. Renee Love, Commissioner  
Dustin T. Miller, Commissioner

Mick Thomas, Secretary to the Commission

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Draft Minutes

Idaho Oil and Gas Conservation Commission Regular Meeting  
November 13, 2019

The regular meeting of the Idaho Oil and Gas Conservation Commission was held on Wednesday, November 13, 2019, at the State Capitol, House Hearing Room (EW42), Lower Level, East Wing, 700 W Jefferson St., Boise, Idaho. The meeting began at 1:00 p.m. Chairman Betty Coppersmith presided. The following members were present:

Vice Chairman Marc Shigeta  
Commissioner Jim Classen  
Commissioner Renee Love – *via video conference*  
Commissioner Dustin Miller

For the record, five Commission members were present. Commissioner Love participated via video conference.

• **ANNOUNCEMENTS**

Chairman Coppersmith went over the order of agenda items and announced that public comment would be taken at the end of the meeting.

**1. Division Administrator's Report**

- A. Financial Update
- B. Current Oil and Gas Activity
- C. Status Update
  - i. Class II Injection Well – Permit Status

Commissioner Miller asked about the process timeline for this application. Secretary Thomas responded that he has seen Class II permits take years. Secretary Thomas stated that when the EPA assumed primacy their target was 6-months, assuming they had a complete application, and the expectation was early 2020. The complete application package was submitted in late September. Chairman Coppersmith followed-up asking if the application had quite a volume of information that needed to be analyzed; Secretary Thomas verified that was correct.

ii. Docket No. CC-2017-OGR- 01-002 – Kauffman Complaint

Commissioner Love inquired about the status of the Kauffman Complaint regarding the stay of proceedings. Secretary Thomas explained that it was on hold. He noted that the Kauffmans may be involved in a class action lawsuit against Alta Mesa Resources and have chosen to put that federal suit as their priority, thus putting this complaint on a hold.

- **CONSENT – ACTION ITEM(S)**

**2. Approval of Minutes** – August 29, 2019 – Regular Meeting (Boise)

*CONSENT AGENDA COMMISSION ACTION:* A motion was made by Commissioner Classen that the Commission approve the meeting minutes on the Consent Agenda. Commissioner Miller seconded the motion. The motion carried on a vote of 5-0.

**3. Approval of Minutes** – September 25, 2019 – Special Meeting (Boise)

*CONSENT AGENDA COMMISSION ACTION:* A motion was made by Vice Chairman Shigeta that the Commission approve the meeting minutes on the Consent Agenda. Commissioner Miller seconded the motion. The motion carried on a vote of 5-0.

*Background information was provided by the presenter indicated below. No Commission action is required on the Information Agenda.*

- **INFORMATION**

**4. Operator Records Examined/Allocation Investigation** – Presented by Dave Schwarz, Field Inspector – Oil and Gas

**5. Plant Reports** – Presented by Mick Thomas, Division Administrator – Oil and Gas

**6. Discussion on Commission’s Role in Applications**

- **REGULAR – ACTION ITEM(S)**

None

- **EXECUTIVE SESSION**

None

Chairman Coppersmith opened the floor for public comment. Dr. Brent Mathieu from the Idaho Organization of Resource Councils and Marc McCord gave public comment.

There being no further business before the Commission, at 2:05 p.m. a motion to adjourn was made by Commissioner Classen. Vice Chairman Shigeta seconded the motion. The motion carried on a vote of 5-0. Meeting adjourned.



IDAHO OIL & GAS  
CONSERVATION COMMISSION

IDAHO OIL AND GAS CONSERVATION COMMISSION  
February 5, 2020  
Regular Agenda

SUBJECT

State Review of Oil and Natural Gas Environmental Regulations (S.T.R.O.N.G.E.R.)

BACKGROUND

The state of Idaho is a member state of the Interstate Oil and Gas Compact Commission (IOGCC). One of the benefits of membership is a periodic review of Idaho oil and gas regulations. In 2017, the State Oil and Gas Regulatory Exchange (SOGRE), an affiliate of the IOGCC, produced a Peer Assessment Report on the state regulatory environment in Idaho, and offered recommendations for further regulatory development. This report is known as the SOGRE Report and is posted on the Oil and Gas Conservation Commission (Commission) website.

The S.T.R.O.N.G.E.R. review is similar in process to the SOGRE report. This review process would analyze the state of Idaho's environmental regulations regarding oil and gas. The review would involve multiple state agencies and stakeholders including Idaho Department of Lands (Department), Idaho Department of Water Resources (IDWR), Idaho Department of Environmental Quality (IDEQ) and the Environmental Protection Agency (EPA).

DISCUSSION

The Commission motioned to move forward with the review at the April 23, 2019 regular Commission meeting. At that time, the Commission inquired about the amount of staff time required by the Department to participate in the S.T.R.O.N.G.E.R. review. The Department has completed the review and found that an additional 133 hours will be needed to fulfill our portion of the S.T.R.O.N.G.E.R. review. The man-hours time estimate is included as Attachment 1.

More detail on the S.T.R.O.N.G.E.R. guidelines can be found at:

<https://www.strongerinc.org/guidelines/>

RECOMMENDATION

The Idaho Department of Lands recommends the Commission advise the Oil and Gas Program Staff to discontinue the S.T.R.O.N.G.E.R. review process.

COMMISSION ACTION

ATTACHMENTS

1. Time Estimate

<b><u>STRONGER Review Tasks</u></b>	<b># Days</b>	<b># Hours</b>	<b>Hours Completed</b>	<b>Hours Remaining</b>
<b><u>Preparation</u></b>				
Orientation Meeting (ID)	0.5	4.0	4.0	0.0
Designate state contact person (ID)	0.1	1.0	1.0	0.0
State decide scope of review (ID)	0.8	6.0	6.0	0.0
Send questionnaire to state (STR)	0.0	0.0	0.0	0.0
Finalize review team (RT)	0.0	0.0	0.0	0.0
Finalize official observers (OO)	0.8	6.4	3.0	3.4
Include 1 environment, 1 industry rep. (ID)	1.0	8.0	0.0	8.0
Complete, send questionnaire to RT	0.1	1.0	1.0	0.0
11 Sections, 35 pages, approx. 240 questions (ID)	7.5	60.0	0.0	60.0
RT+OO Orientation Call	0.5	4.0	0.0	4.0
<b><u>Interview</u></b>				
Finalize Interview date	0.5	4.0	0.0	4.0
Finalize Interview location	1.0	8.0	0.0	8.0
STRONGER website news post	0.0	0.0	0.0	0.0
In-State Interview(s)	2.5	20.0	0.0	20.0
<b><u>Report</u></b>				
First draft review	2.0	16.0	0.0	16.0
First draft review call	0.3	2.0	0.0	2.0
Final draft review (?)	1.0	8.0	0.0	8.0
<b>Total:</b>	<b>18.6</b>	<b>148.4</b>	<b>15.0</b>	<b>133.4</b>



## IDAHO OIL AND GAS CONSERVATION COMMISSION

February 5, 2020

Regular Agenda

### SUBJECT

Statutory reform regarding the Roles of the Commission

### BACKGROUND

At the November 13, 2019, Oil and Gas Conservation Commission (Commission) meeting, the Commission asked staff to investigate the possibilities of recommending statute changes regarding the Roles of the Commission for the 2021 legislative session.

The Idaho Department of Lands (Department) evaluated these recommendations along with other potential changes to consider during the 2021 legislative session. The decision was made that the Department would not move forward with recommendations to change the Commissions role from an appellate body to one that evaluates each application as it is received. This was rejected because:

- the potential cost of additional counsel in the event of an appeal could be significant
- the amount of time required for a possible appeal in district court could significantly extend the application approval process
- the loss of technical expertise in the appeal process that would occur if the appellate body was district court instead of the Commission

### DISCUSSION

While the Department and staff will not move forward with changes, the Commission may move with statutory recommendations on their own motion. If the Commission decided to do so, they would have to work with the Commissions legal counsel.

### RECOMMENDATION

The Idaho Department of Lands recommends the Commission does not proceed with statutory recommendations to change the Roles of the Commission.

### COMMISSION ACTION

IDAHO OIL AND GAS CONSERVATION COMMISSION  
February 5, 2020  
Information Agenda

SUBJECT

Presentation – Idaho Geological Survey Oil and Gas Program

BACKGROUND

Idaho Code § 47-201 establishes the Idaho Geological Survey (IGS) as “the lead state agency for the collection, interpretation, and dissemination of geologic and mineral data for Idaho. Such information is to be acquired through field and laboratory investigations by the staff of the survey and through cooperative programs with other governmental and private agencies.”

While the Oil and Gas Conservation Commission is tasked with the role of regulating the oil and gas industry in the state of Idaho; the IGS is responsible for research, data aggregation and dissemination of geological data that can be used to grow the oil and gas industry in Idaho.

DISCUSSION

The information presented by Mark Barton, Senior Petroleum Geologist at IGS, is an overview of the oil and gas potential within the state, and includes recent findings by the IGS that provide greater detail about the source, type, general location, and potential.

ATTACHMENTS

1. Idaho Code § 47-201
2. PowerPoint Presentation

IDAHO OIL & GAS  
CONSERVATION COMMISSION



# Idaho Statutes

TITLE 47  
MINES AND MINING  
CHAPTER 2

IDAHO GEOLOGICAL SURVEY

47-201. GEOLOGICAL SURVEY CREATED – PURPOSE – ADVISORY BOARD. There is hereby created the Idaho geological survey, to be administered as a special program at the university of Idaho under the authority of the board of regents of the university of Idaho. The survey shall be the lead state agency for the collection, interpretation, and dissemination of geologic and mineral data for Idaho. Such information is to be acquired through field and laboratory investigations by the staff of the survey and through cooperative programs with other governmental and private agencies. There is hereby established an advisory board for the survey, consisting of the following members: The director of the survey and board chairperson (nonvoting); the chair of the department of geosciences at Boise state university; the chair of the department of geosciences at Idaho state university; the chair of the department of geological sciences at the university of Idaho; a representative from the mining and mineral processing industry selected by the director; the governor of the state of Idaho or his designated representative; a member of the board of land commissioners or their designated representative; the president or his designee of the Idaho association of professional geologists; and two (2) members at large selected by the director from other state or federal organizations, or from the private sector with a direct interest in the survey's programs, both serving two (2) year staggered terms; all of whom shall serve as members of the said board and shall be compensated as provided by section 59-509(b), Idaho Code.

History:

[(47-201) 1919, ch. 54, sec. 1, p. 163; C.S., sec. 5481; I.C.A., sec. 46-201; am. 1933, ch. 22, sec. 1, p. 29; am. 1974, ch. 17, sec. 26, p. 308; am. 1980, ch. 247, sec. 45, p. 614; am. 1984, ch. 101, sec. 1, p. 229; am. 2003, ch. 46, sec. 1, p. 175.; am. 2010, ch. 67, sec. 1, p. 116.]

How current is this law?

**Search the Idaho Statutes and Constitution**

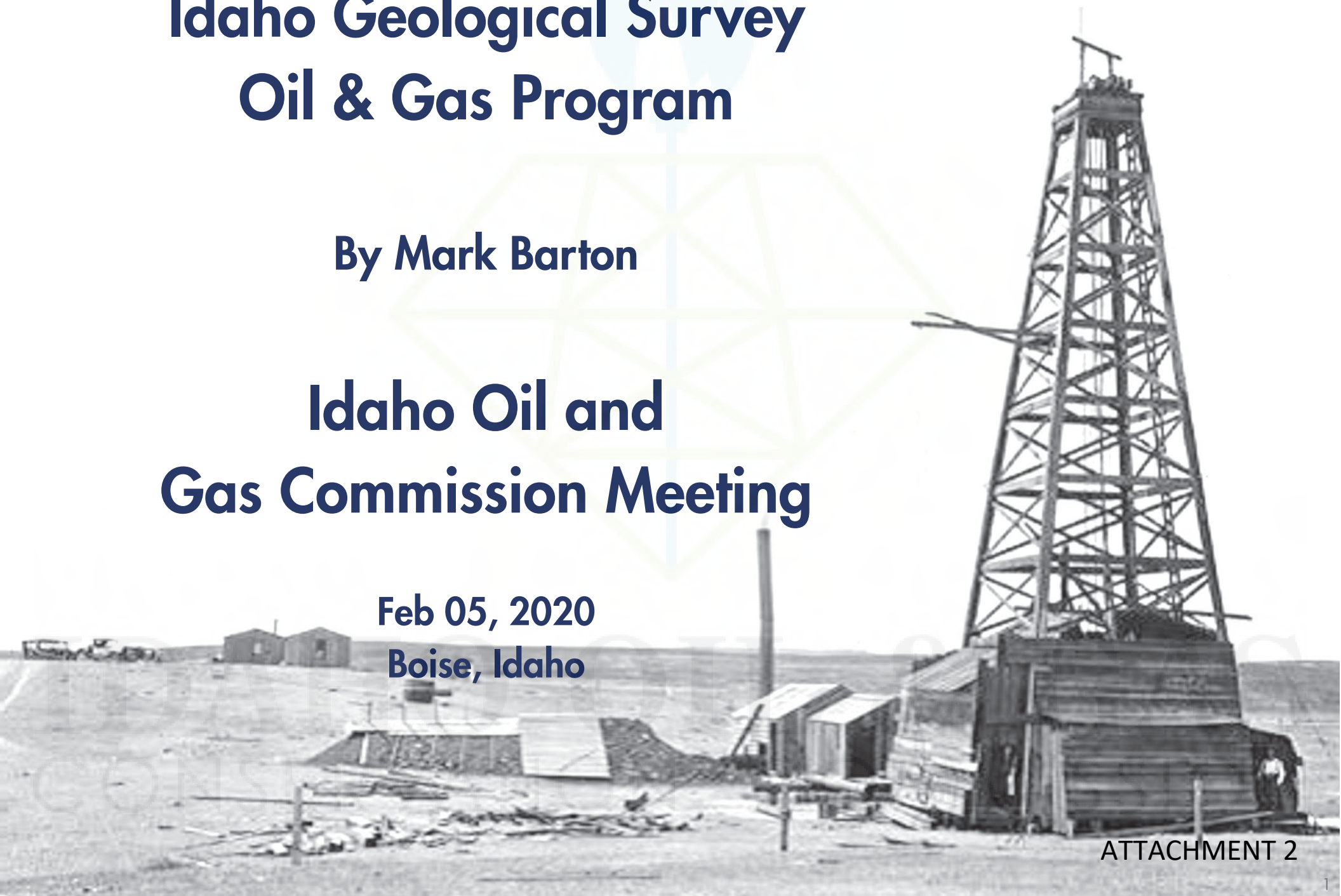
**ATTACHMENT 1**

# Idaho Geological Survey Oil & Gas Program

By Mark Barton

## Idaho Oil and Gas Commission Meeting

Feb 05, 2020  
Boise, Idaho



# IGS Oil and Gas Program

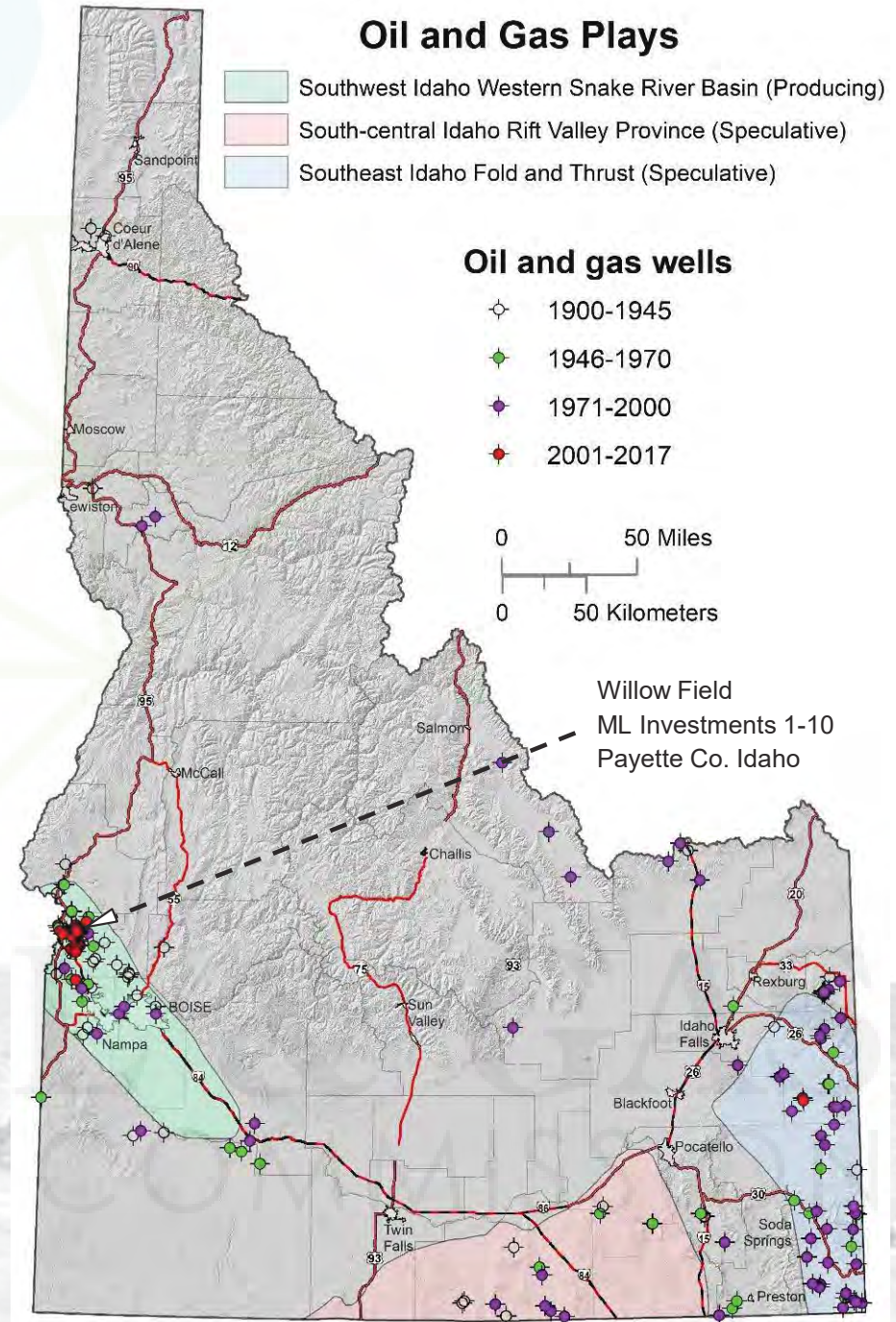
## Primary Role

- ❑ Conducting research on the formation and occurrence of proven/possible petroleum systems including assessments on their hydrocarbon potential.

## Idaho Oil and Gas Conservation Commission

- ❑ Sets policies related to oil and gas development and ensures their compliance.

*Combined goal is to enable the responsible and efficient development of the resource*



# Current Research (WSRP)

## Basin Analysis

- Define the petroleum system in terms of reservoirs, seals, and source rocks (SR).

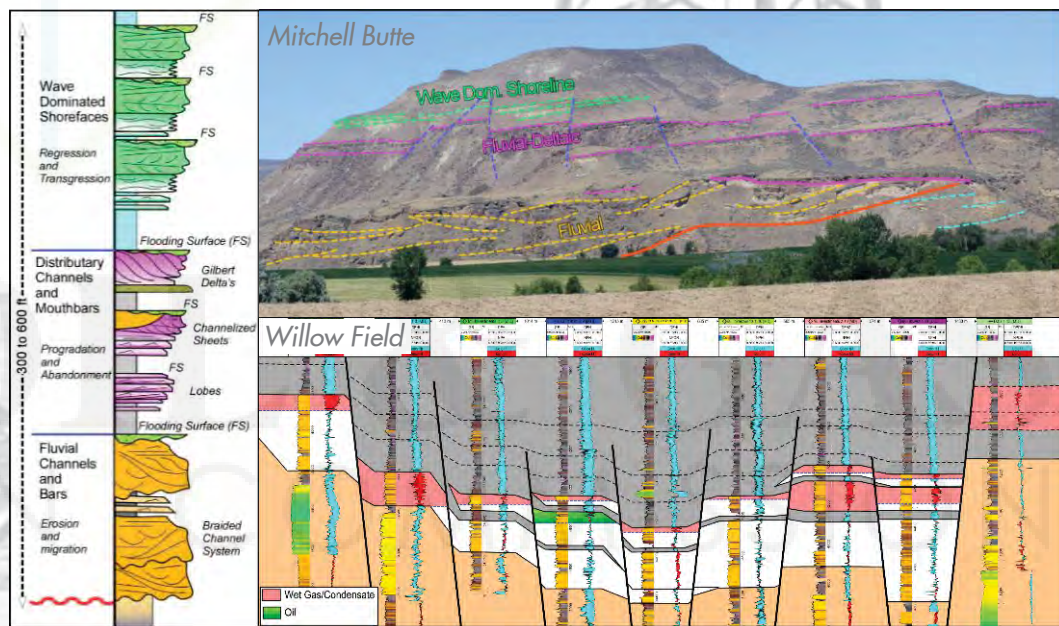
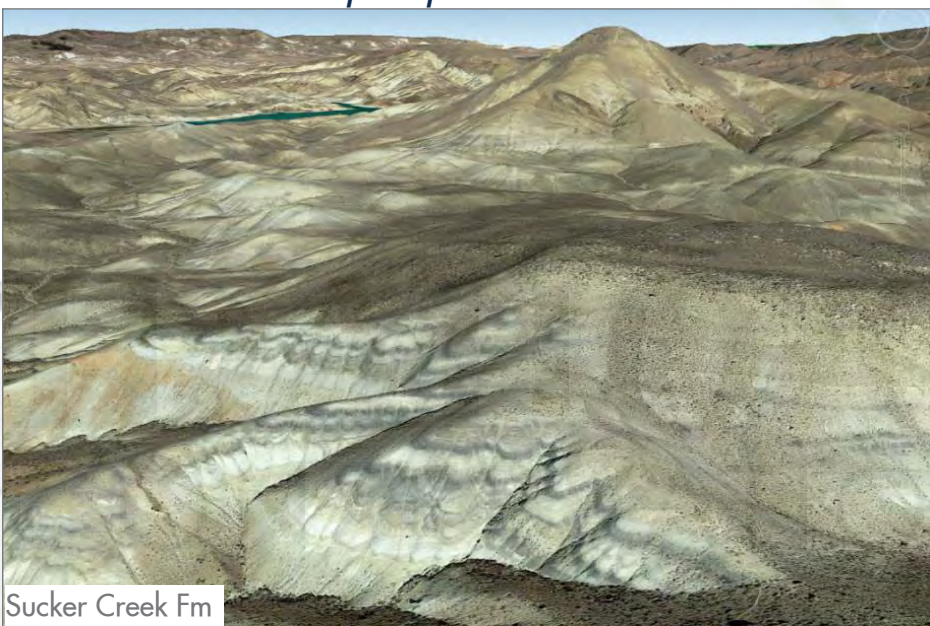
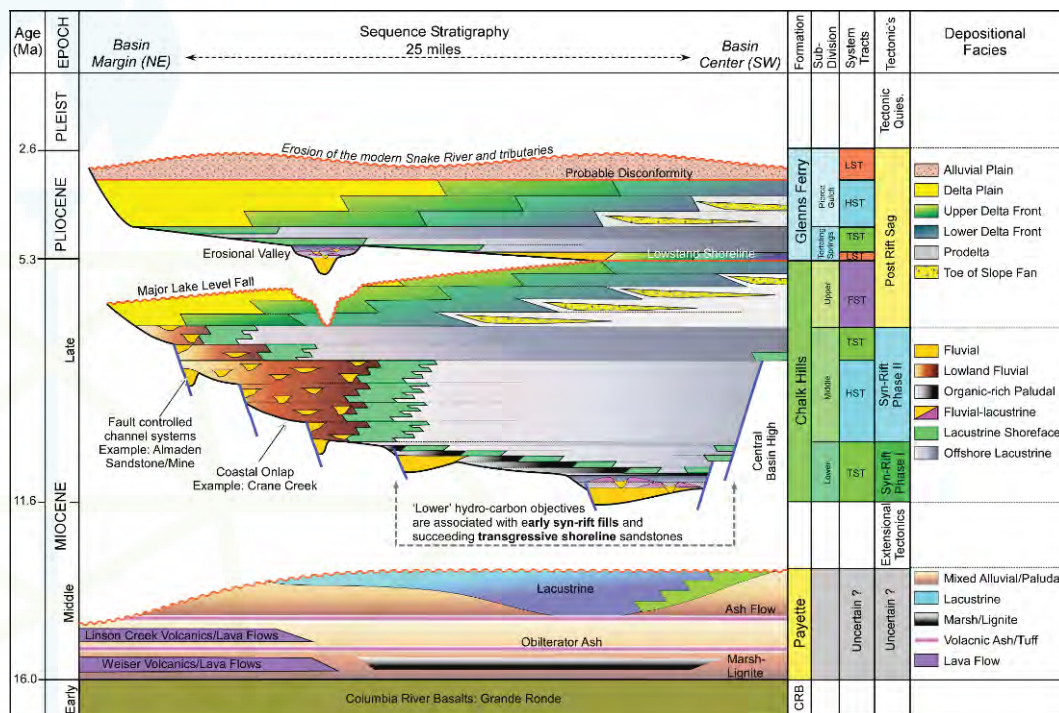
## Reservoir Presence and Effectiveness

- Field and outcrop studies of reservoir architecture and performance

## Source Rock Evaluation

- Identify origins of oil and gas and their hydrocarbon generating capabilities.

*Goal is to differentiate prospective areas from non-prospective areas*



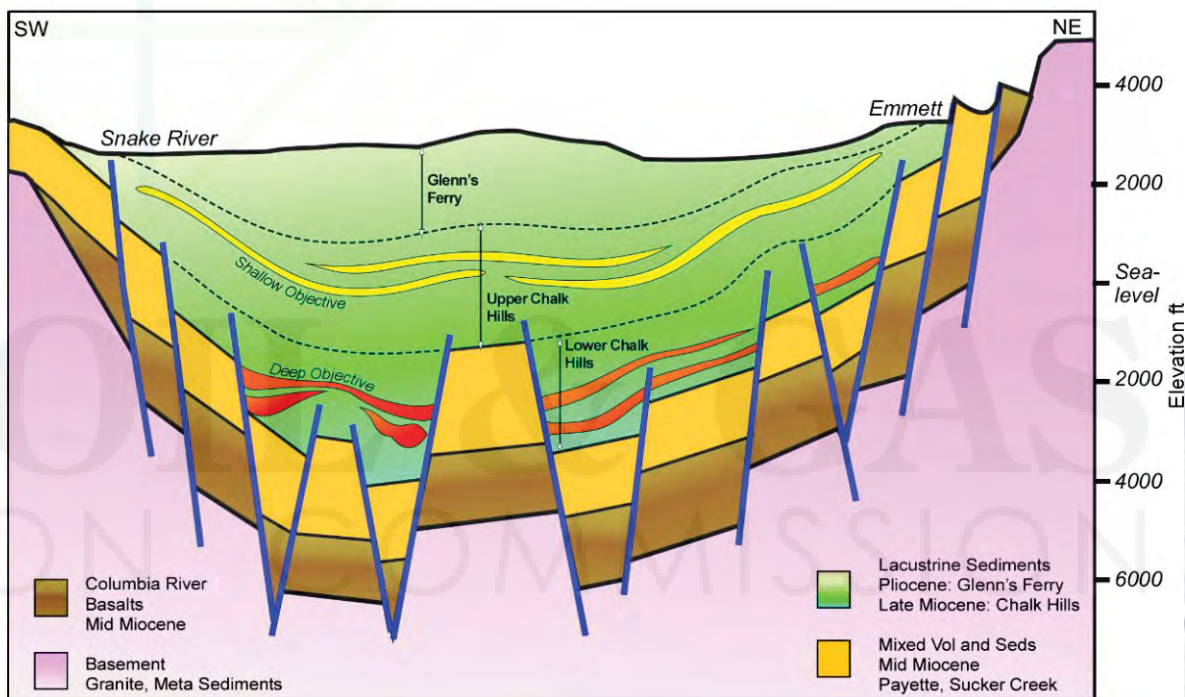
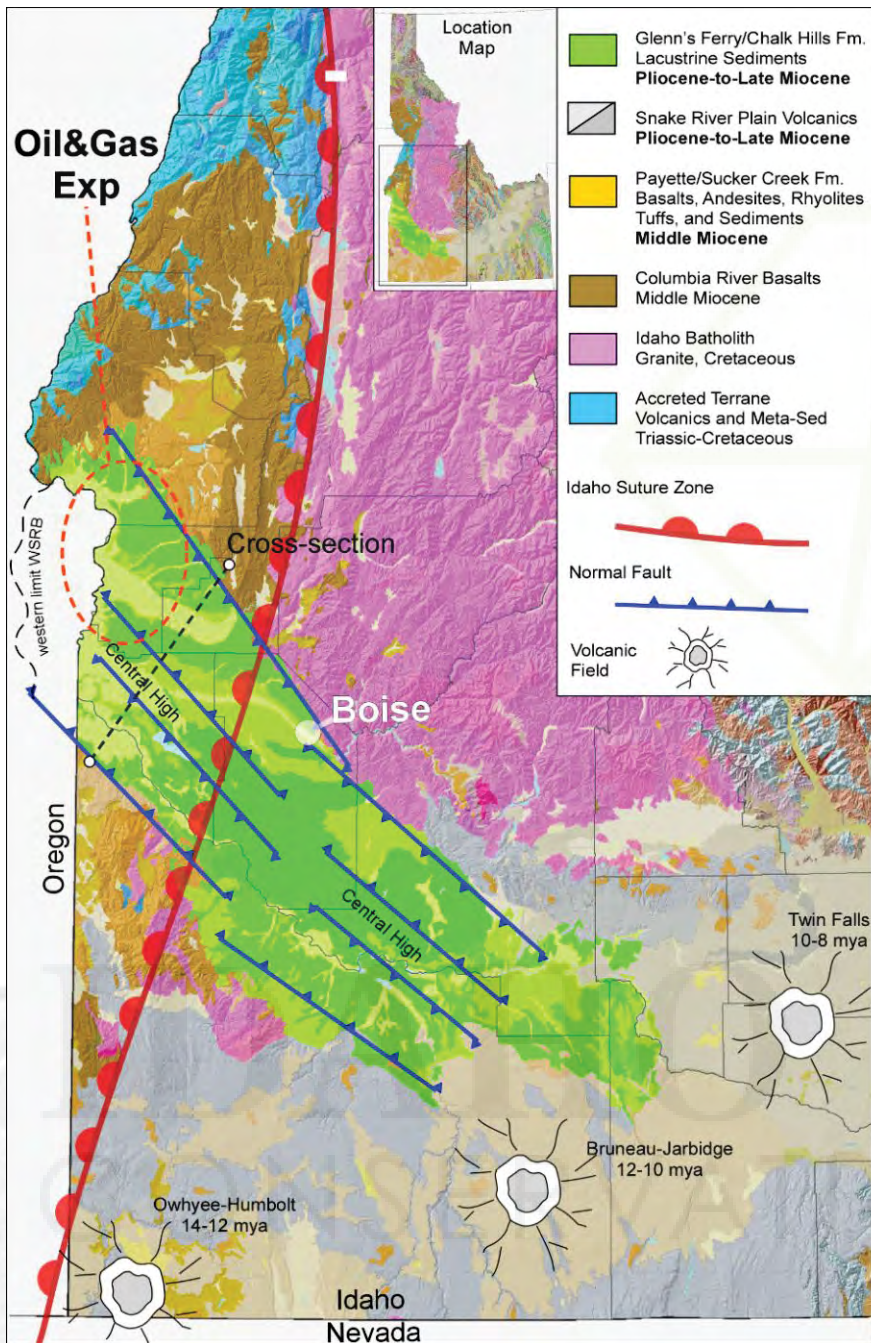
# Western Snake River Plain (WSRP)

Late Miocene to Pliocene rift basin located in SW Idaho.

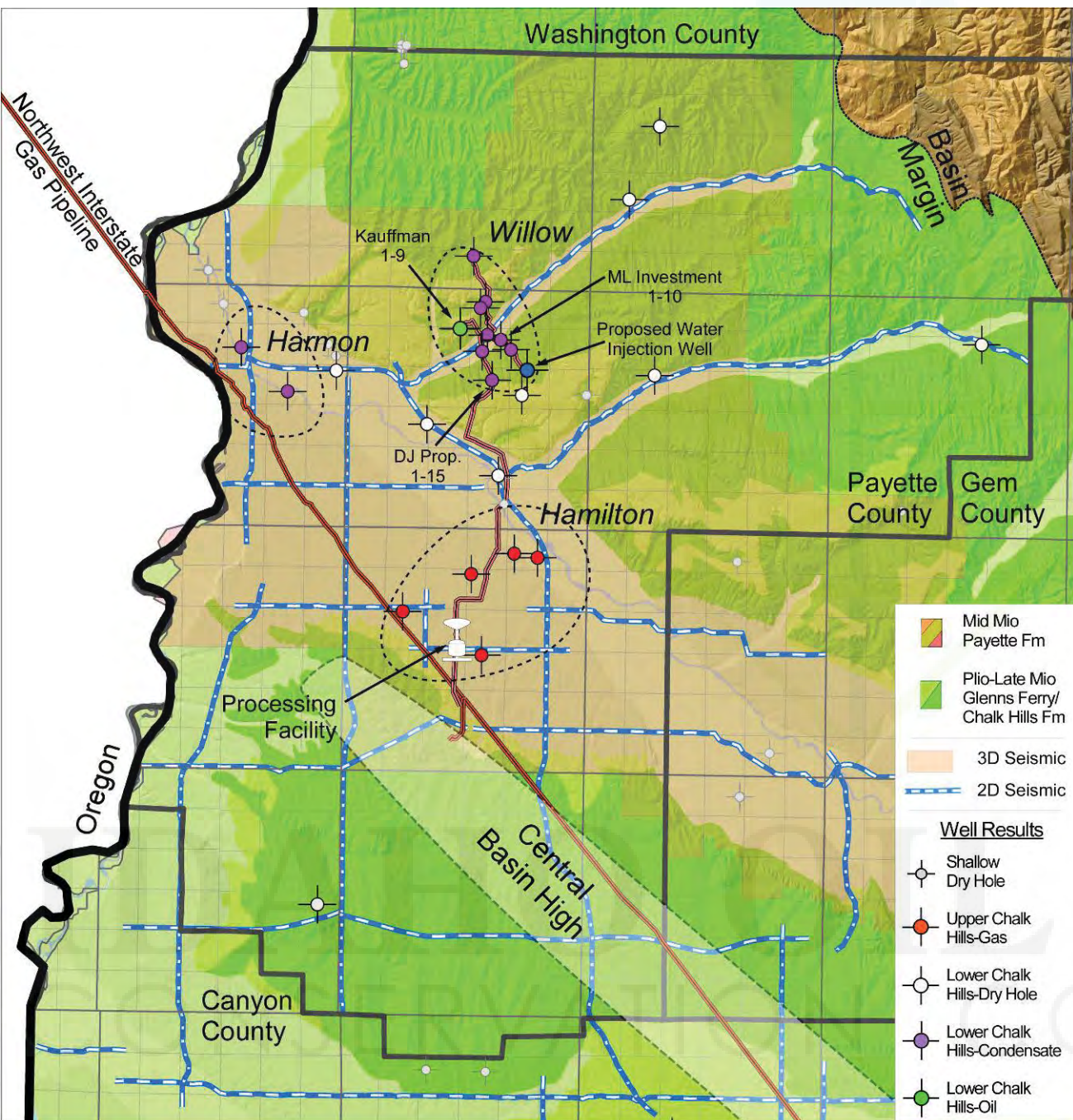
Site of a large lake system (Lake Idaho) filled with up to 6,500 ft of fluvial/lacustrine sediments referred to as the Glenn's Ferry and Chalk Hills Formations.

A pre-existing mid-Miocene basin likely existed west of the Idaho suture zone that was filled with a mix of volcanic and clastic sediments referred to as the Payette Fm.

Conventional petroleum system exists in NW portion of WSRB basin with reservoirs present in the lower (deep objective) and upper (shallow objective) Chalk Hills Fm.



# WSRP Exploration and Development



Basin is largely unexplored with only a handful of potential prospects tested. Targets are structurally complex but well imaged on 3D seismic.

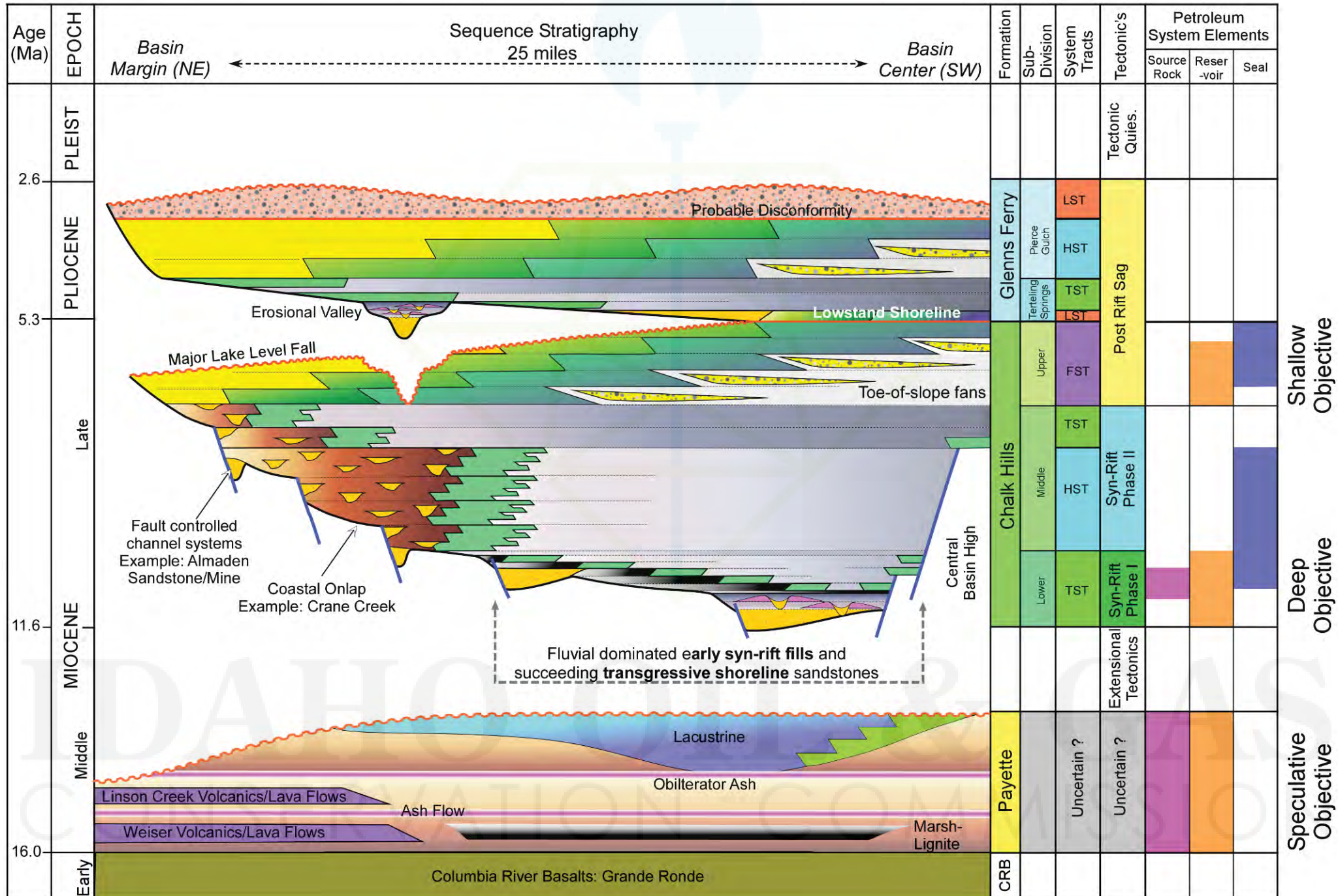
Willow field produces from the deep objective. Production consists of a mix of wet gas/condensate, oil, and some water. DJ 1-15 properties produces from a fine-grained siltstone (UC?).

Harmon produces from the deep objective. Production tests indicates the field contains wet gas/condensate. Production pending construction of pipeline.

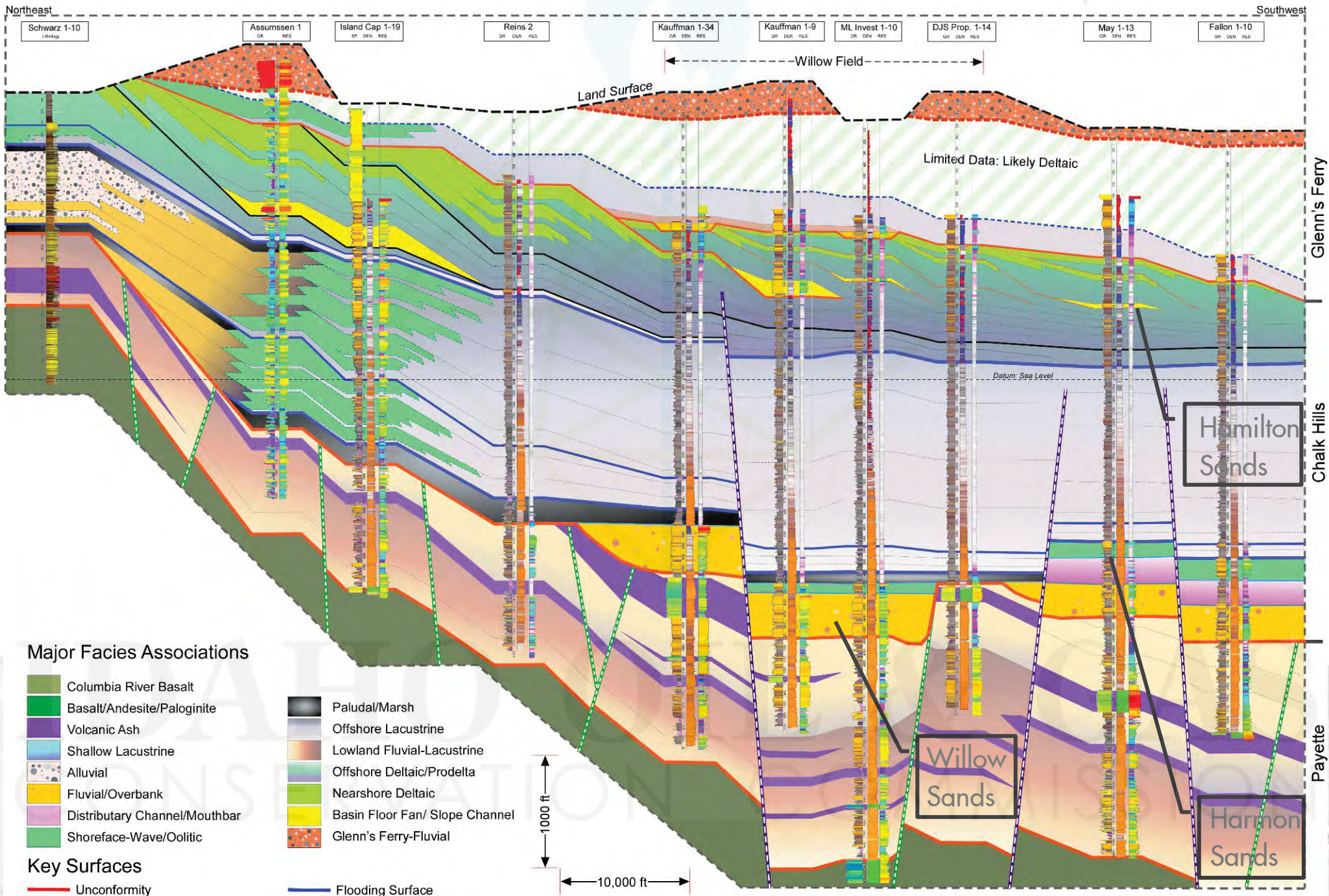
Hamilton produces from the shallow objective. Field is currently shut-in with plans to abandoned. Production tests indicate the field contains largely dry gas.



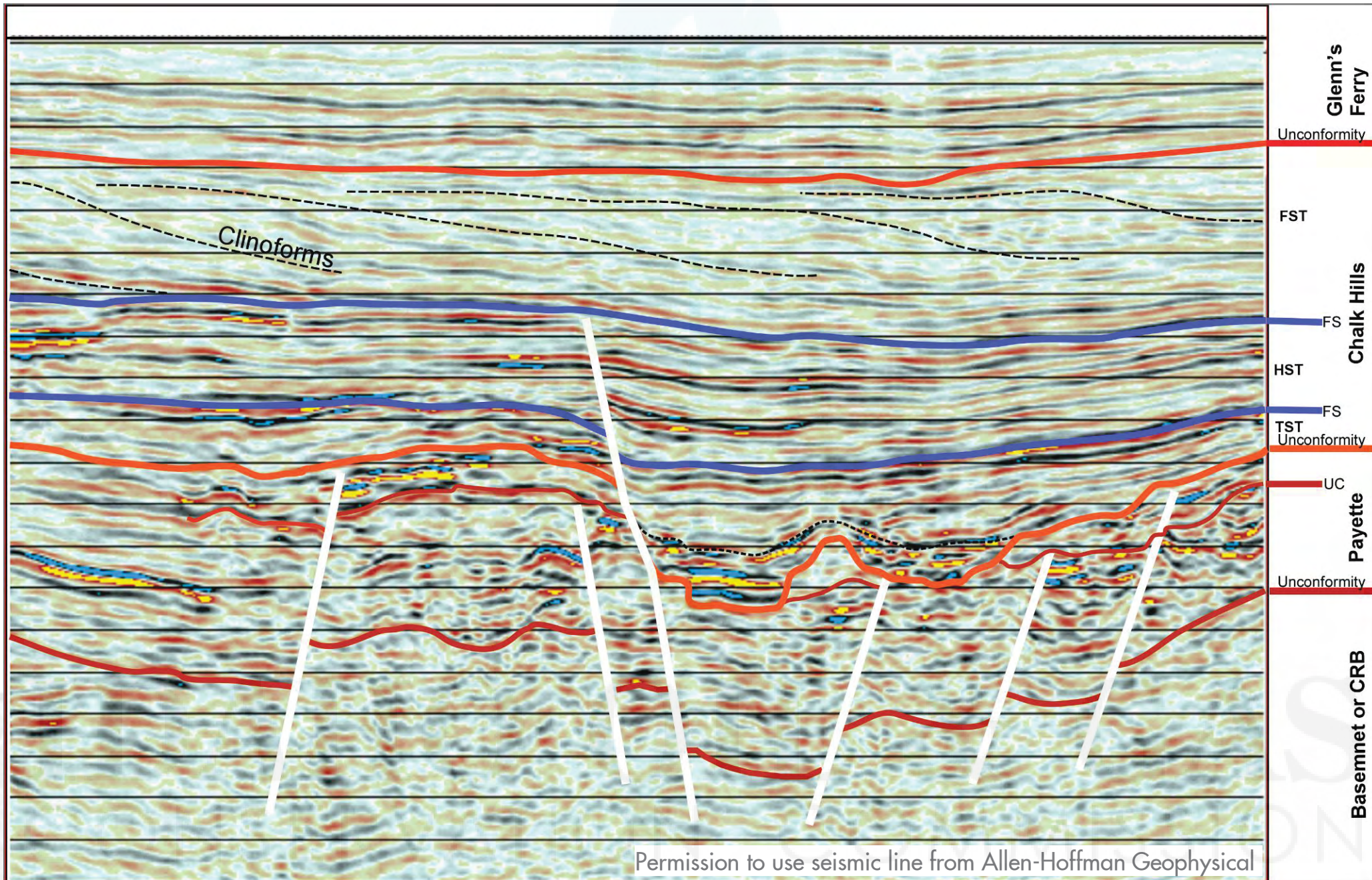
# Petroleum System



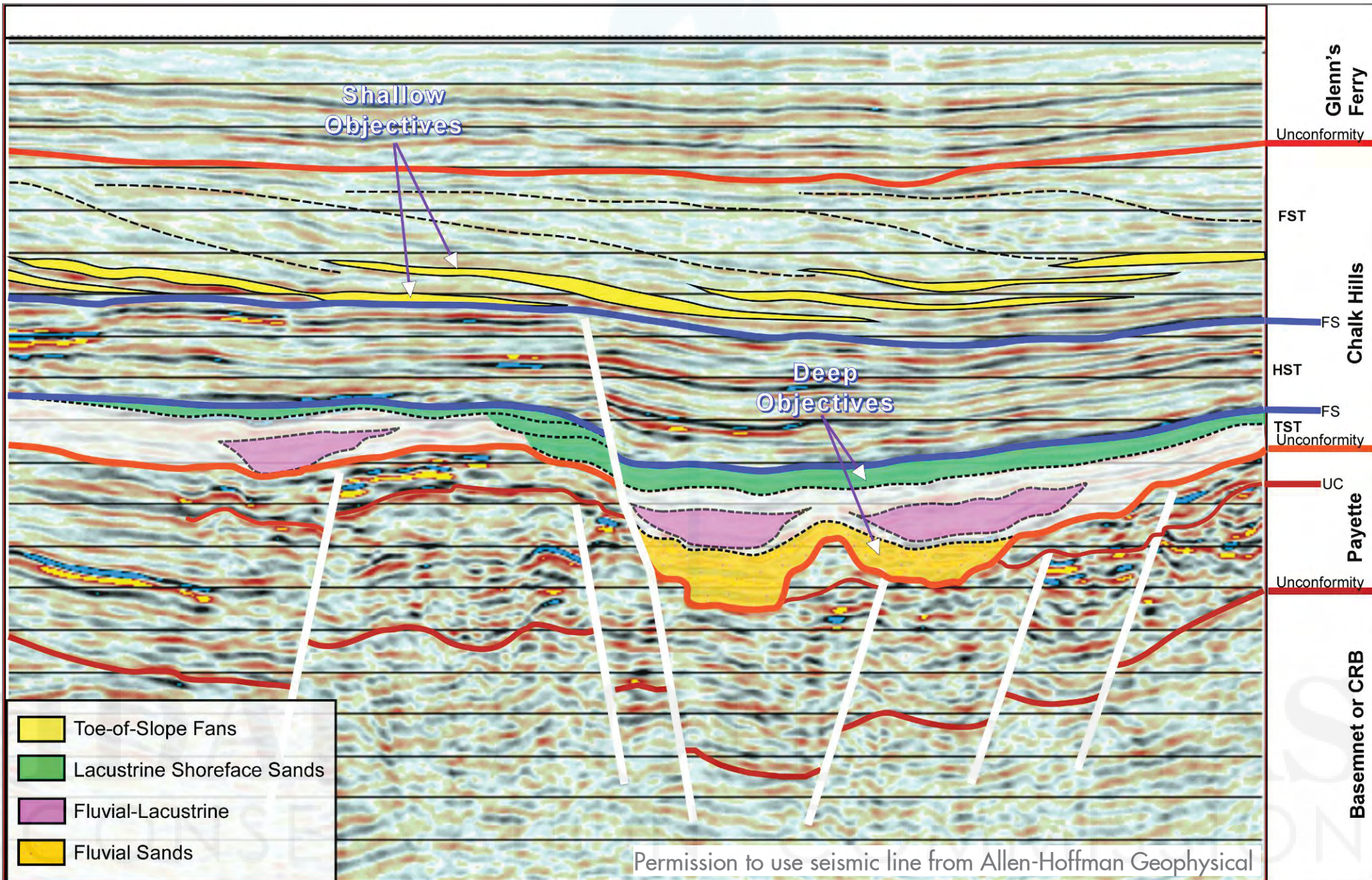
# Basin Framework (WSRP): Well Log Data



# Basin Framework (WSRP): 2D Seismic



# Reservoir Elements (WSRP): 2D Seismic



# Play Risks and Uncertainties

Element	Shallow Objective (upper Chalk Hills)	Deep Objective (lower Chalk Hills)	Payette Objective
Seal presence and effectiveness	Pro-delta muds appear to act as effective seals	Good regional seal exists above the lower objective Effectiveness may decrease along basin margin	Effective seal maybe lacking
Reservoir Presence	Sands are common and widespread.	Presence may be limited to structural lows and erosional fairways.	Sands are abundant
Reservoir Effectiveness	Reservoir permeability may be an issue due to fine grain nature of sands.	Reservoir quality (Porosity and Perm) is very good. Reservoir size and performance impacted by Faulting	Quality maybe impacted by clay diagenesis
SR Quality	Type II/Type III (mixed gas/oil) HC generating capabilities are moderate to good		
SR Distribution and Thickness	Distribution and thickness of potential source rocks unknown.		
SR Maturation	Regional heat flow is high and capable of generating HC at a depth of about 4000 ft. Local intrusions may also play a role		
HC Charge and Migration	Migration pathways between source rocks and upper objective may be poorly developed. Dead oil reported in M.L Invest1-10 by B.E.	Migration pathways provided by local faulting	Migration pathways provided by local faulting



Low Risk

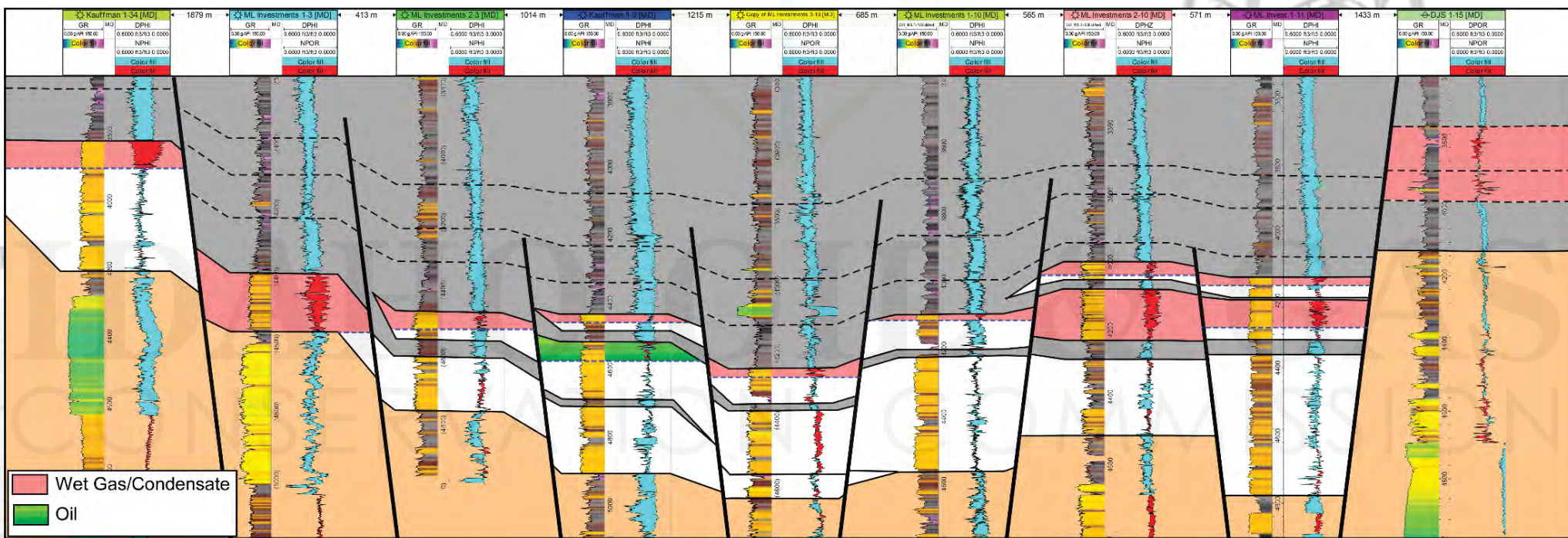
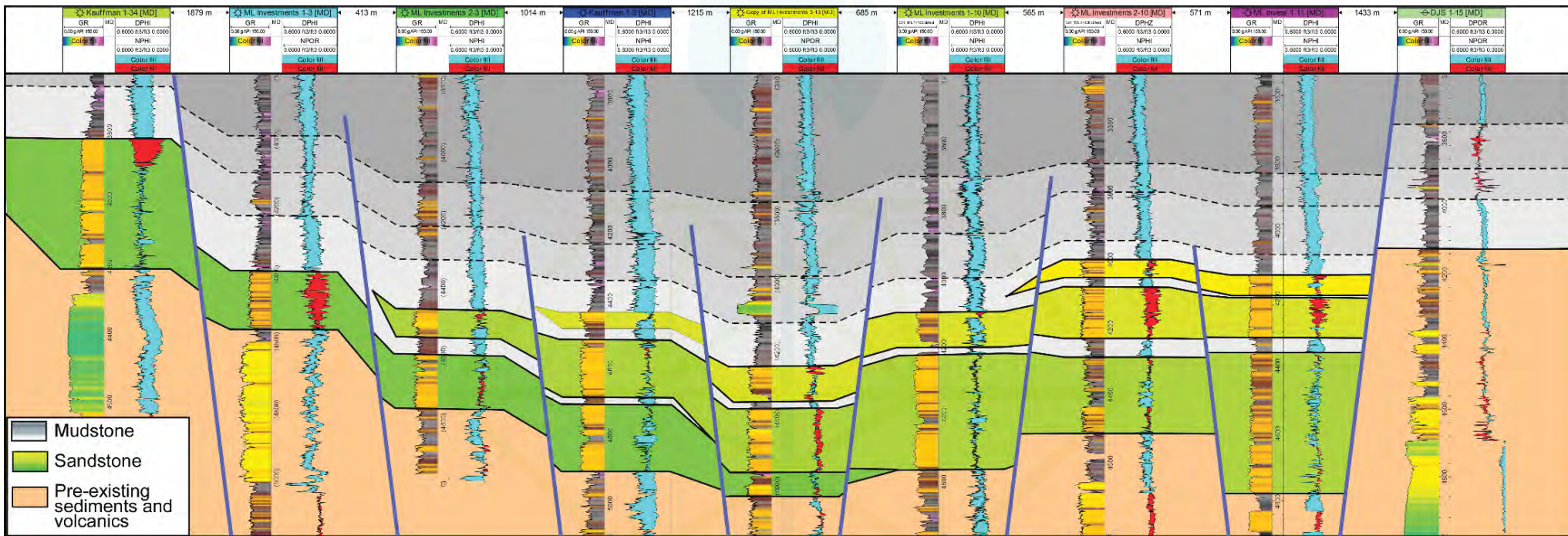


Moderate Risk



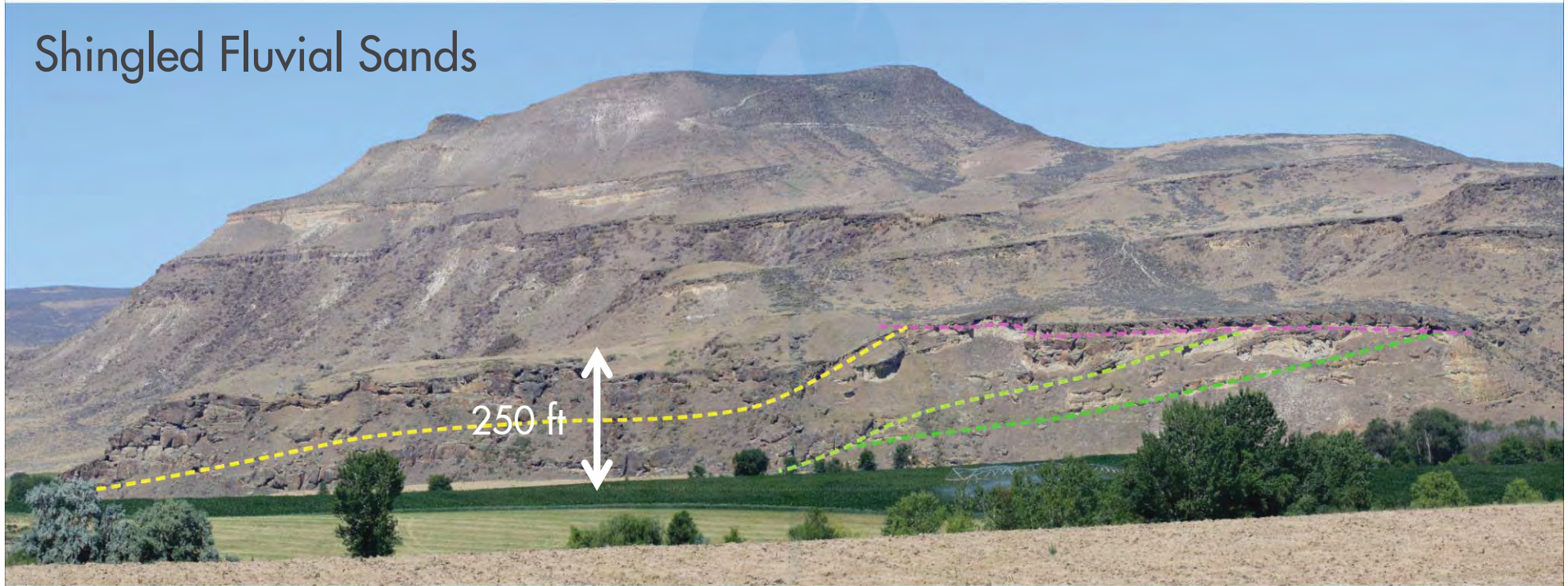
High Risk

# Reservoir Architecture: Willow Field



# Outcrop Example: Mitchell Butte

Shingled Fluvial Sands



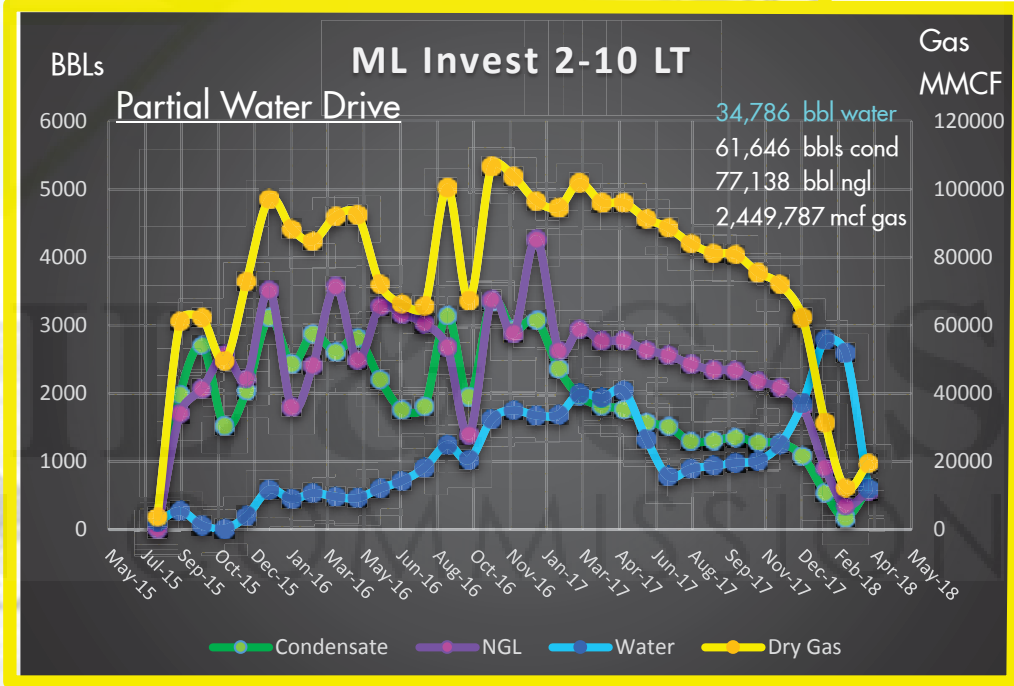
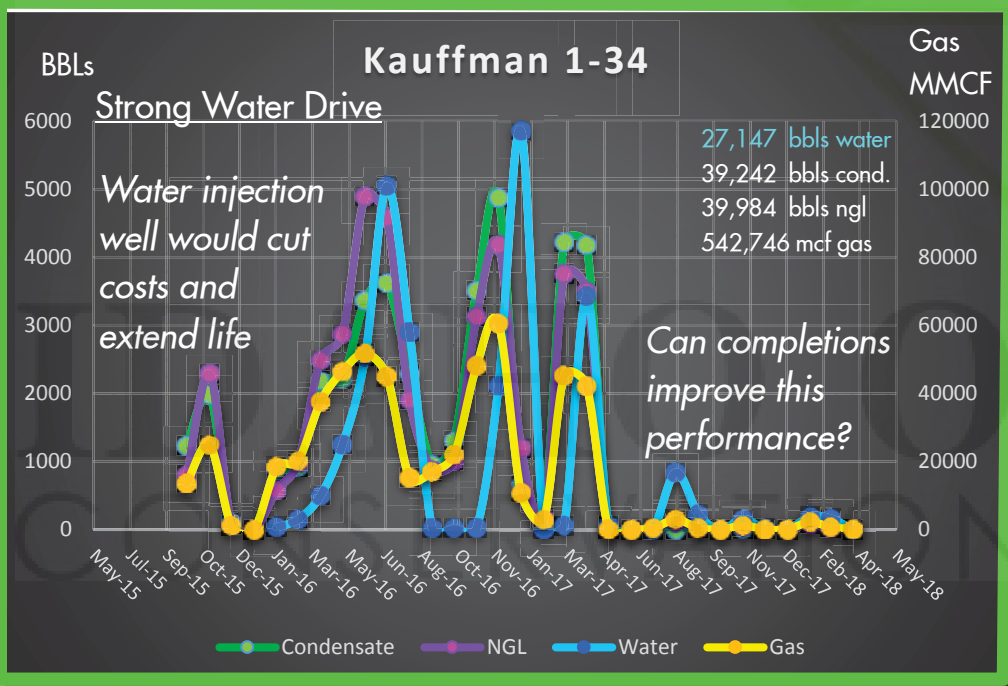
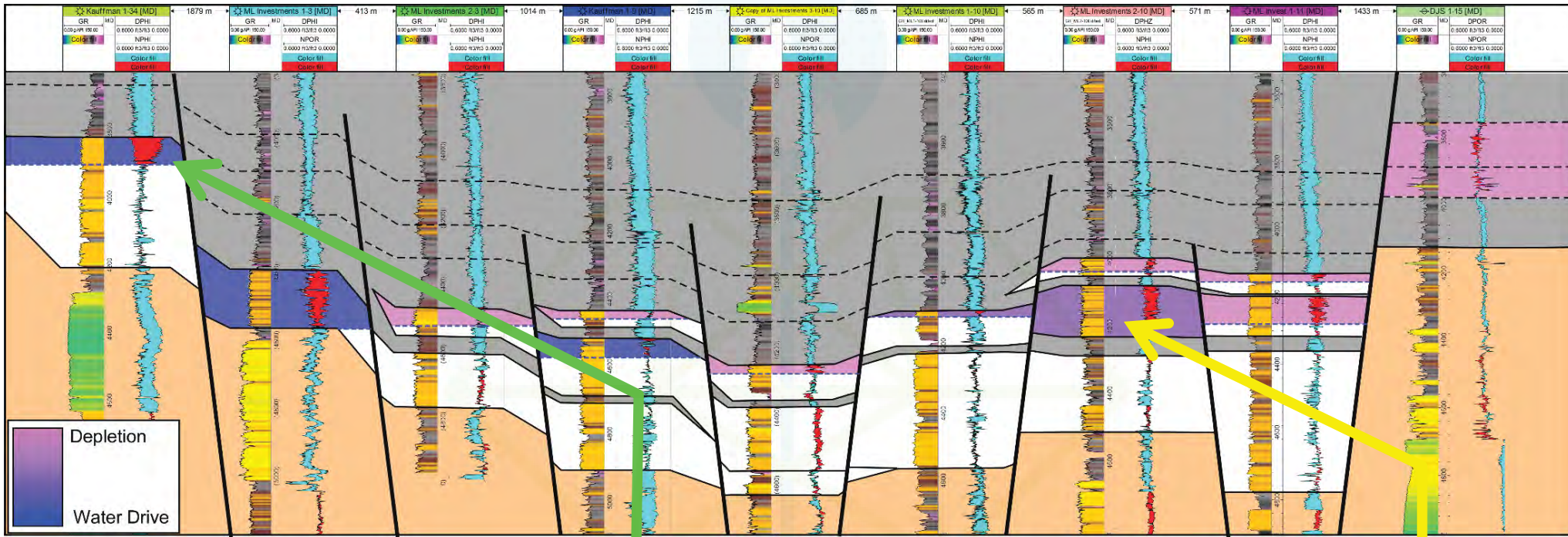
# Outcrop Example: Mitchell Butte

Faulted Sands

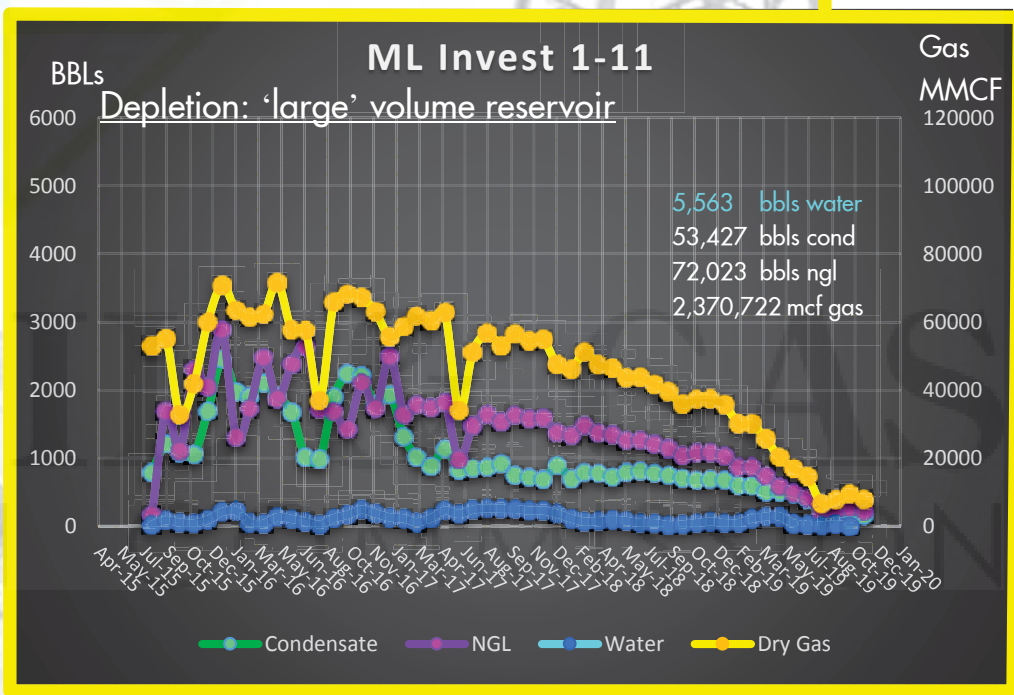
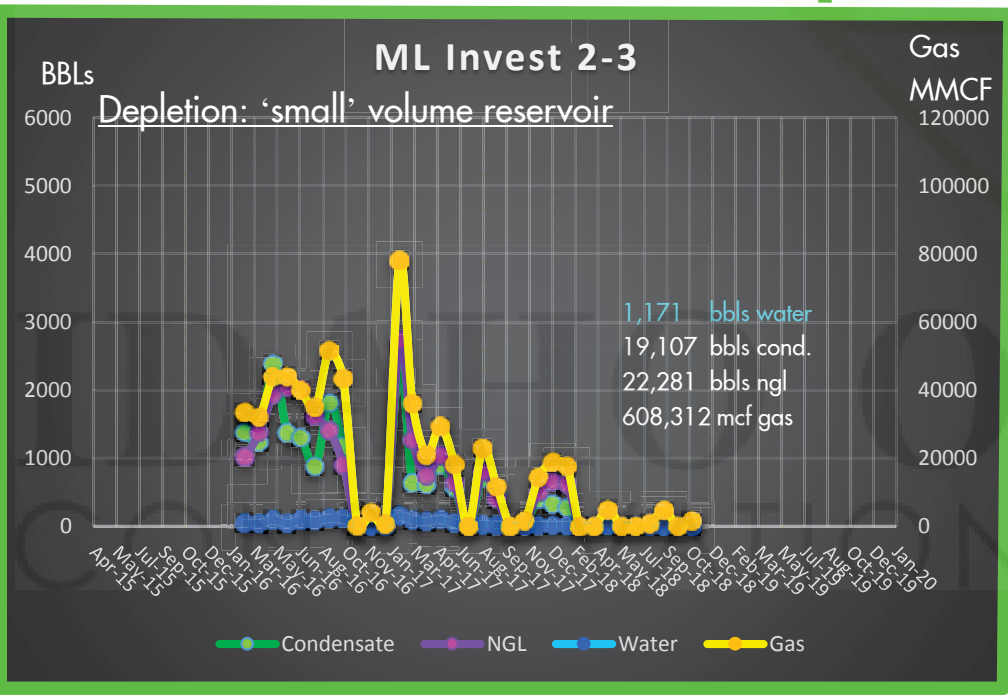
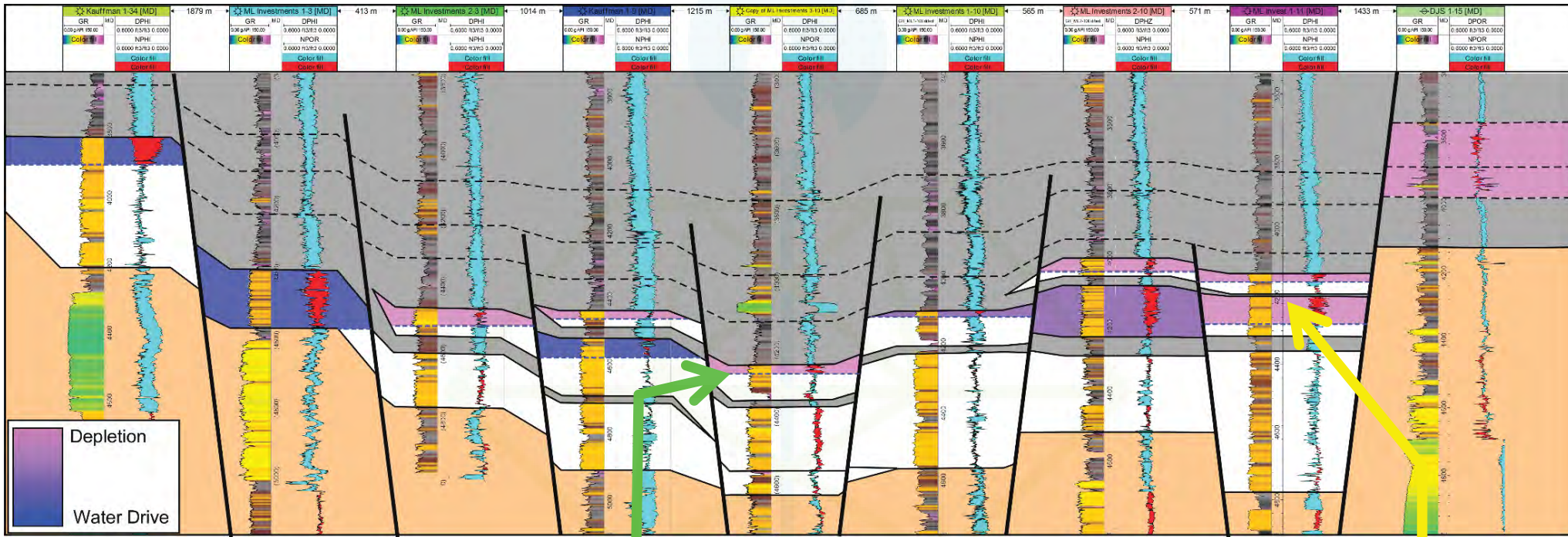




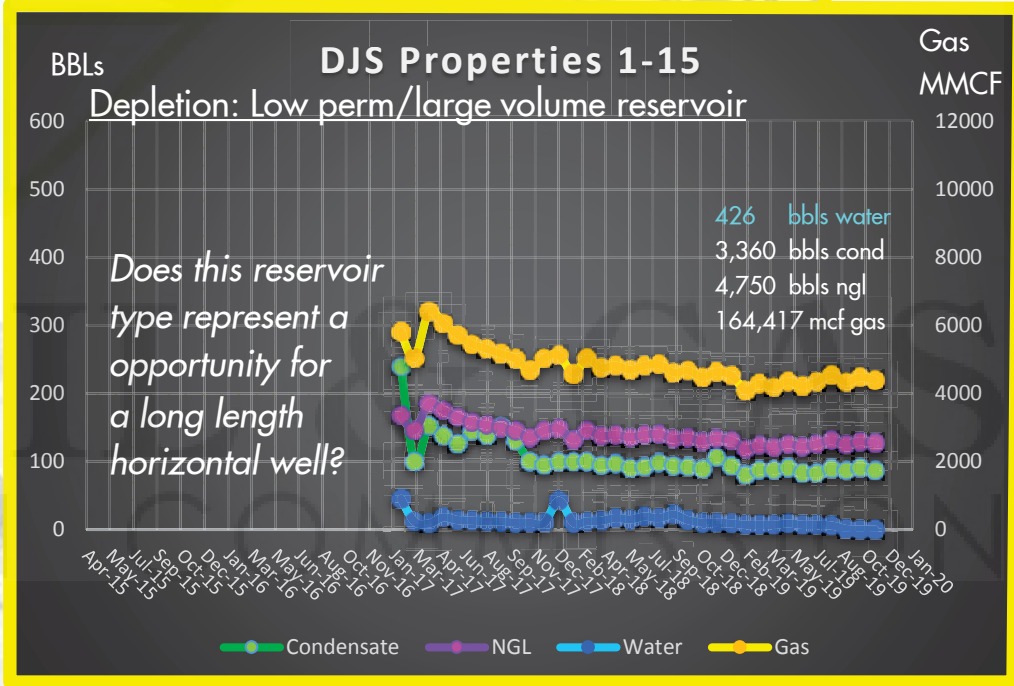
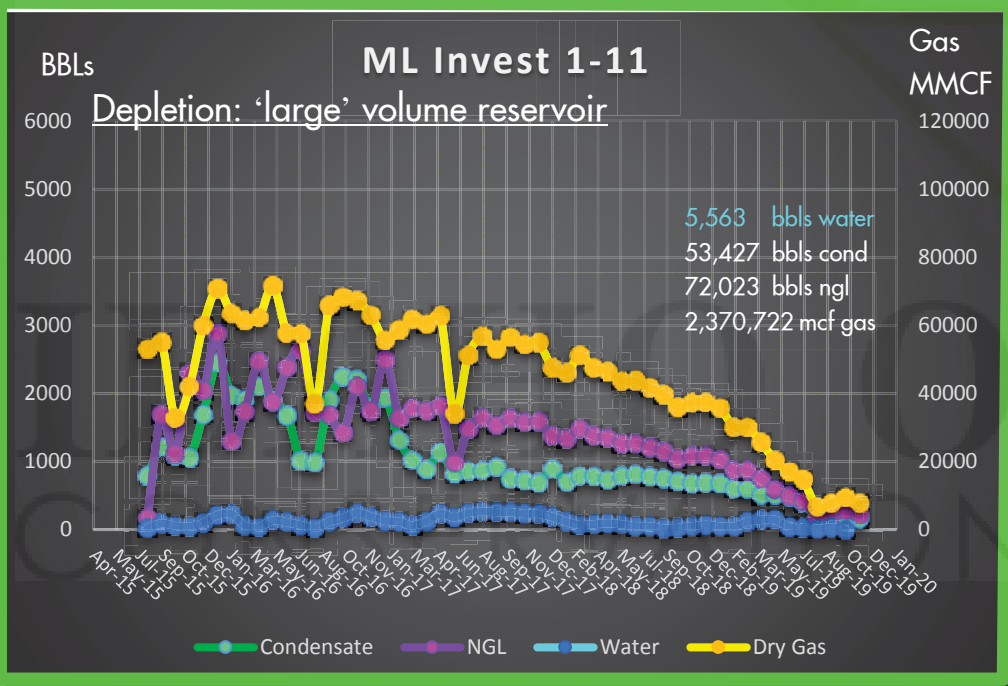
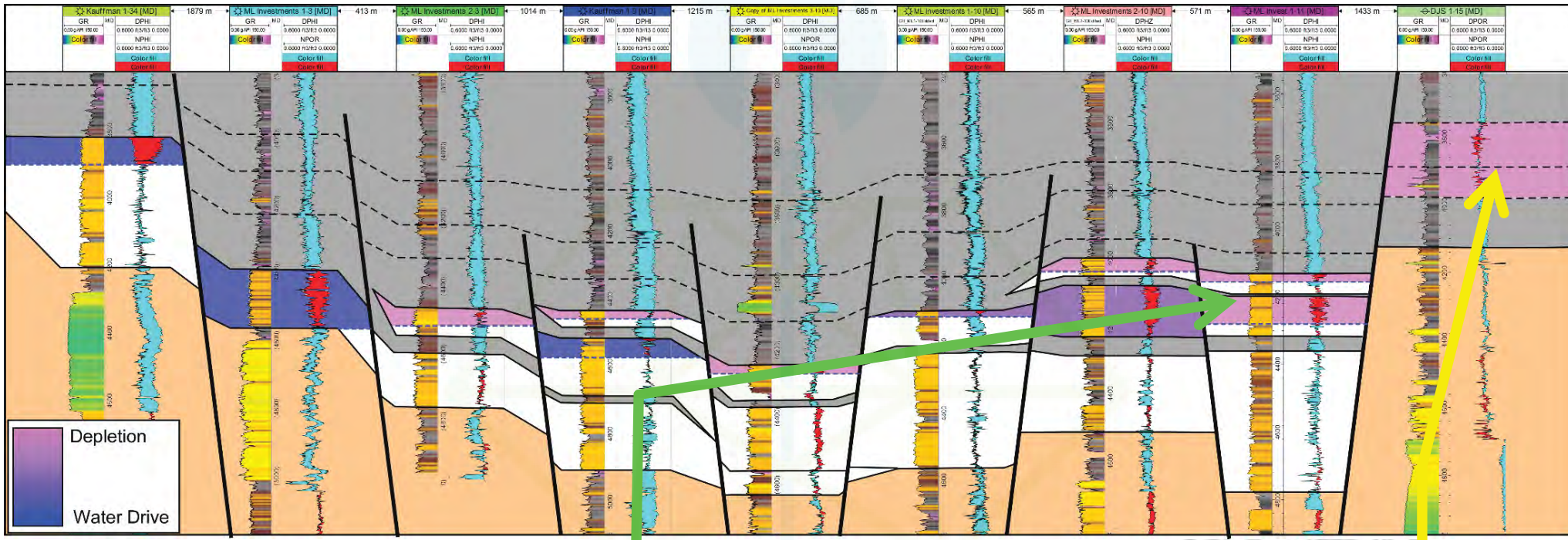
# Reservoir Performance: Willow Field



# Reservoir Performance: Willow Field



# Reservoir Performance: Willow Field



**Thank You!**

**Questions?**

