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**To:** [Kourtney Romine](#); [Fugate, Kristina](#); [mike@smithmalek.com](mailto:mike@smithmalek.com); [james@idunionlaw.com](mailto:james@idunionlaw.com); [sjb@msbtlaw.com](mailto:sjb@msbtlaw.com); [cdm@msbtlaw.com](mailto:cdm@msbtlaw.com)  
**Cc:** [External - Joy M. Vega](#)  
**Subject:** Case No. CC-2020-OGR-01-001  
**Date:** Monday, August 10, 2020 08:32:55 AM  
**Attachments:** [image001.png](#)  
[IDL Exhibit List.pdf](#)  
[IDL Witness List.pdf](#)

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Please see the attached documents from Deputy Attorney General Joy Vega.



**Rebecca Wills**

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Attorneys for Idaho Department of Lands

BEFORE THE IDAHO DEPARTMENT OF LAND

IN THE MATTER OF the Application of Snake River Oil and Gas, LLC, for Spacing Order Consisting of the E ½ of the SE ¼ of Section 9, the SW ¼ of Section 10, the N ½ of the N ½ of the NW ¼ of Section 15, and the N ½ of the NE ¼ of the NE ¼ of Section 16, Township 8 North, Range 5 West, Boise Meridian, Payette County, Idaho.

Snake River Oil and Gas, LLC, Applicant

Docket No. CC-2020-OGR-01-001

**IDAHO DEPARTMENT OF LANDS'  
EXHIBIT LIST**

COMES NOW the Idaho Department of Lands (“IDL”), by and through the Office of the Attorney General, its counsel of record, and pursuant to the Prehearing Order and Notice of Hearing, dated July 21, 2020, hereby submits the following list of exhibits that it may use in the hearing in this matter:

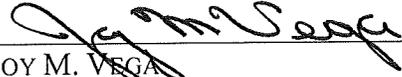
**Exhibit IDL-1**, Bates Nos. IDL001-11, Power Point Presentation: Spacing Unit Application Harmon Field Area, Payette County, Idaho.

A copy of the identified exhibit is attached hereto. IDL reserves the right to utilize any item already in the administrative record, any item listed on any other party's exhibit list, and to use demonstrative exhibits that may not be listed. Finally, IDL reserves the right to amend or supplement this list in advance of hearing.

IDL's listed hearing exhibit has not been stipulated to by any other party as of the filing of this Exhibit List.

DATED this 10th day of August, 2020.

STATE OF IDAHO  
OFFICE OF THE ATTORNEY GENERAL

  
\_\_\_\_\_  
JOY M. VEGA  
Deputy Attorney General  
for Idaho Department of Lands

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that on this 10th day of August 2020, I caused to be served a true and correct copy of the foregoing by the following method to:

Mick Thomas  
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REBECCA WILLS  
Office of the attorney General

**SPACING UNIT APPLICATION  
HARMON FIELD AREA  
PAYETTE CO., IDAHO**

**DOCKET NO. CC-2020-OGR-01-001**

**AUGUST 13, 2020**

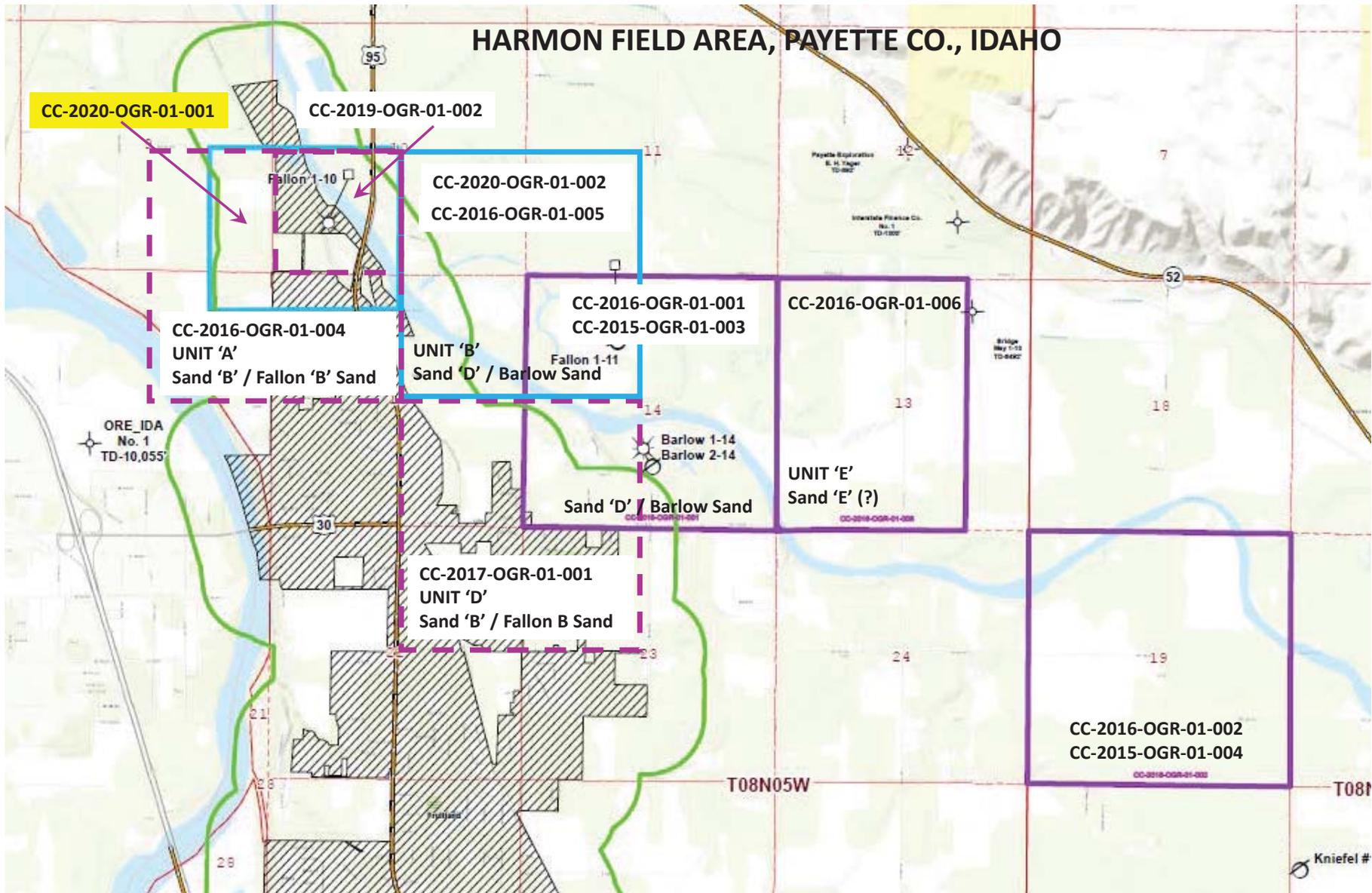
**UNIT A - FALLON 'B' SAND**

**IDAHO DEPARTMENT OF LANDS**

**EXHIBIT IDL-1**

# HARMON FIELD AREA, PAYETTE CO., IDAHO

IDL002



Kniefel # IDL002



PRE-DRILL UNIT / INTEGRATION  
APPLICATION – NOVEMBER 2016

2016 PROPOSED +/- 620 ACRE UNIT

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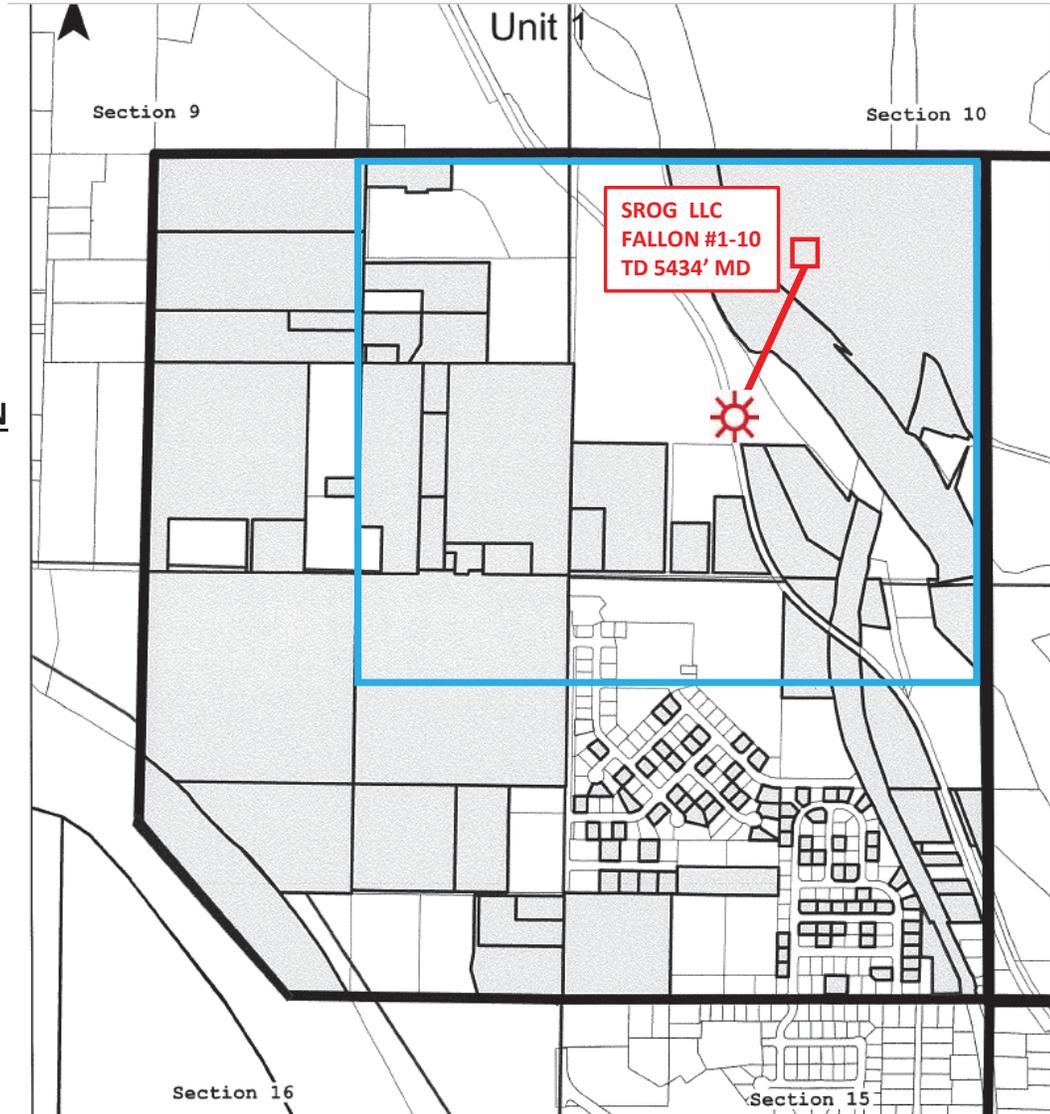
POST-DRILL SPACING UNIT APPLICATION  
FEBRUARY 2020

2020 PROPOSED +/- 300 ACRE UNIT

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□ SURFACE LOCATION

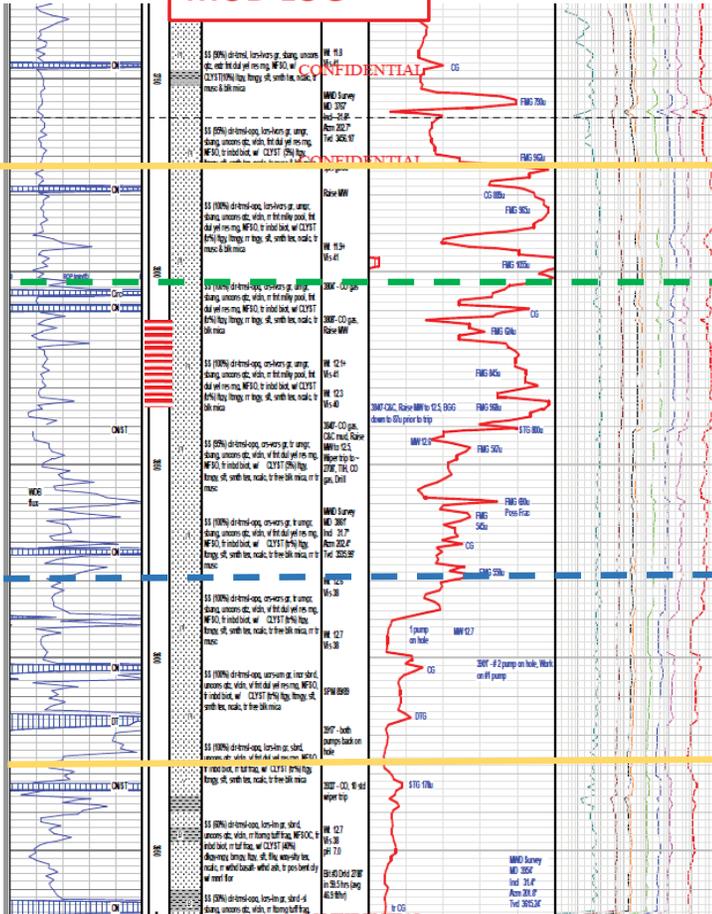
☼ BOTTOM HOLE LOCATION



**FALLON #1-10  
MUD LOG**

**SROG LLC  
FALLON #1-10  
TD 5434' MD**

**FALLON #1-10  
TRIPLE COMBO LOG**



**TOP OF 'B' SAND 3774' MD** **GAS**

**CONDENSATE?**

**Completed 3/11/2018 Packer set at 3592' MD**

**Pf: 3815'-3835'**

**FARO 3809.15 MCFGD, 118.94 BCPD, 6.26 BWPD**

**FTP 1290 PSI, CP 360 PSI, 28/64" Choke**

**68.7° API (Corr) Gravity Condensate GOR 32,279:1**

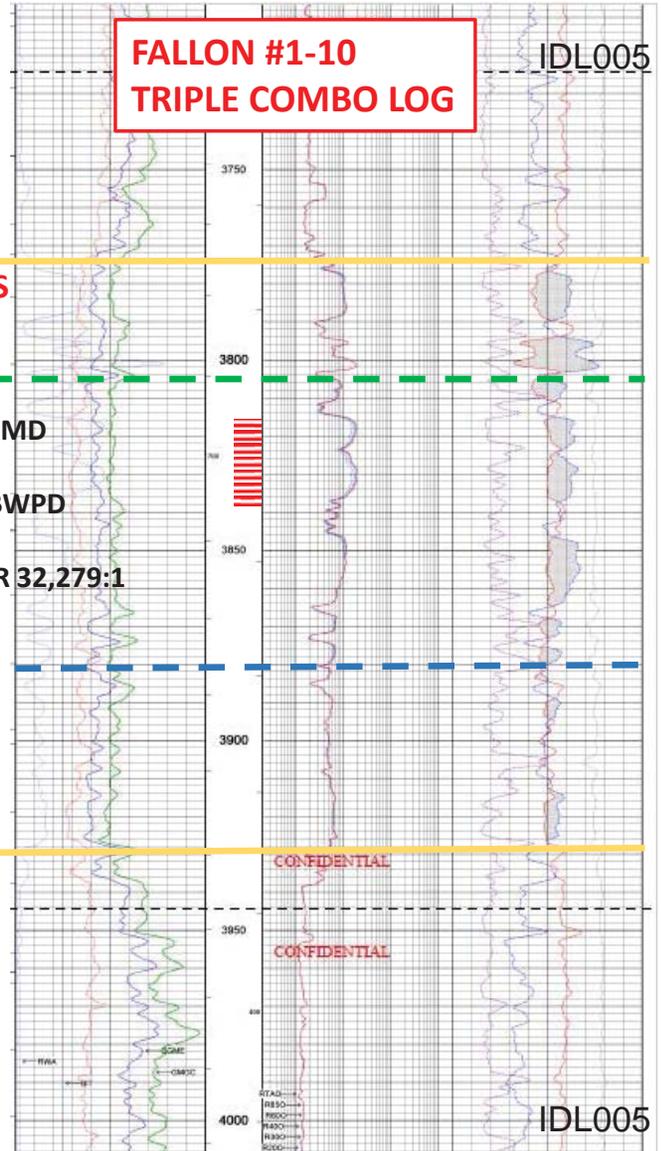
**Last FTP reported: 1290 PSI (3/11/2018)**

**Last BHP reported: 1448 PSI (3/11/2018)**

**WET OR TRANSITION ZONE?**

**BASE OF 'B' SAND 3936' MD**

**PERFORATED INTERVAL**



IDL005

IDL005

# COMPLETION 02 REV01

1 Plug Back Total Depth

## CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size Hole Drilled	Size Casing set	Weight (lb./ft.)	Depth set	Sacks Cement	Amount Pulled
Conductor	19"	16"		120'		
Surface	12.25"	9.625"	40#	1,097'	430	
Production	8.5"	5.5"	17#	5,429'	1,560	

## TUBING RECORD

Size: (ft)	Tubing Weight:	Depth: (ft)	Packer set at: (ft)	Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)
2.875'	6.5#	3,592	3,592					

## LINER RECORD

Size: (ft)	Tubing Weight:	Depth: (ft)	Packer set at: (ft)	Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)
2.875'	6.5#	3,592	3,592					

## PERFORATION RECORD

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
15	3 1/8 HSE	5291-5306'		
40	3 1/8" HSE	3815-3855'		

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
15	3 1/8 HSE	5291-5306'		
40	3 1/8" HSE	3815-3855'		

Date of First Production:

3/11/2018

**NOTE: Please attach copies of ALL pressure tests performed including: multi-point tests, build-up tests, bottom-hole pressure tests, and RFT's.**

Date of Test	Hrs. Tested	Choke Size	Oil Prod. During Test (bbbls.)	Gas Prod. During Test (MCF)	Water Prod. During Test (bbbls.)
3/11/2018	55.25	28/64	91.30	3329.58	76.05

Tubing Pressure (PSI)	Casing Pressure (PSI)	BHP (PSI)	Oil Gravity *API (Corr)	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):
1290	360	1448	68.7	flowing

Call'd Rate per 24 hrs	Oil (bbbls.)	Gas (MCF)	Water (bbbls.)	Gas—oil ratio
	118.94	3809.15	6.26	32,279

Disposition of gas (state whether vented, used for fuel or sold): flared

# COMPLETION 02 REV02

IDL006

1 Plug Back Total Depth

## CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size Hole Drilled	Size Casing set	Weight (lb./ft.)	Depth set	Sacks Cement	Amount Pulled
Conductor	19"	16"		120'		
Surface	12.25"	9.625"	40#	1,097'	430	
Production	8.5"	5.5"	17#	5,429'	1,560	

## TUBING RECORD

Size: (ft)	Tubing Weight:	Depth: (ft)	Packer set at: (ft)	Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)
2.875'	6.5#	3,592	3,592					

## LINER RECORD

Size: (ft)	Tubing Weight:	Depth: (ft)	Packer set at: (ft)	Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)
2.875'	6.5#	3,592	3,592					

## PERFORATION RECORD

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
6	3 1/8" HSE GUN	3,815-35'		

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & Type	Depth Interval	Amount & Kind of Material Used	Depth Interval
6	3 1/8" HSE GUN	3,815-35'		

Date of First Production:

3/11/2018

**NOTE: Please attach copies of ALL pressure tests performed including: multi-point tests, build-up tests, bottom-hole pressure tests, and RFT's.**

Date of Test	Hrs. Tested	Choke Size	Oil Prod. During Test (bbbls.)	Gas Prod. During Test (MCF)	Water Prod. During Test (bbbls.)
3/11/2018	24	28/64	41	3,330	0

Tubing Pressure (PSI)	Casing Pressure (PSI)	BHP (PSI)	Oil Gravity *API (Corr)	Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):
1290	360	1448	68.7	flowing

Call'd Rate per 24 hrs	Oil (bbbls.)	Gas (MCF)	Water (bbbls.)	Gas—oil ratio
	41	3,330	0	81,220

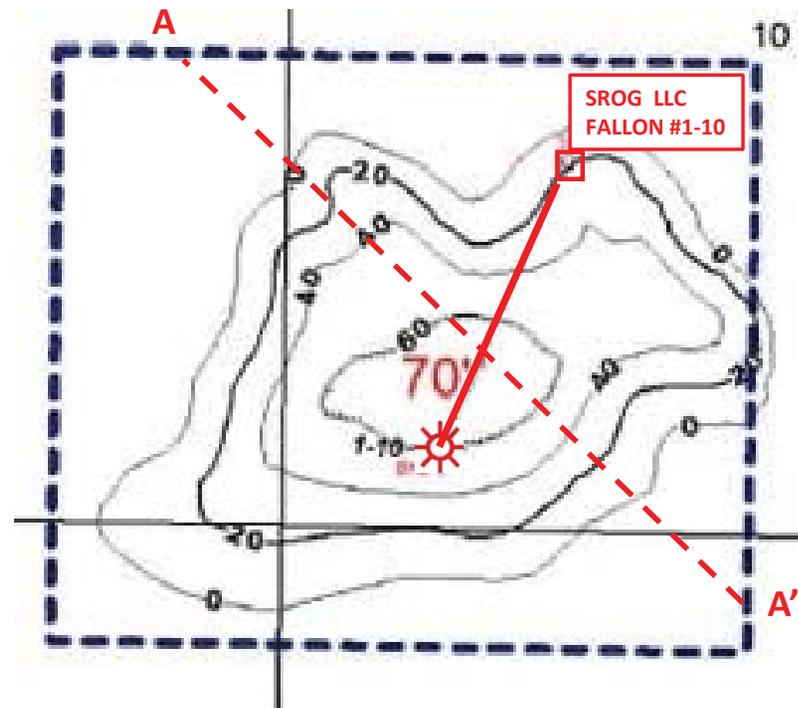
Disposition of gas (state whether vented, used for fuel or sold): flared

**Note: Other than the final test rates and pressures, no other production test data has been provided to Idaho Department of Lands as of August 10, 2020.**

IDL006

**SROG FALLON #1-10**  
**2020 PROPOSED +/- 300 ACRE UNIT**  
**NET PAY ISOPACH – SAND B**

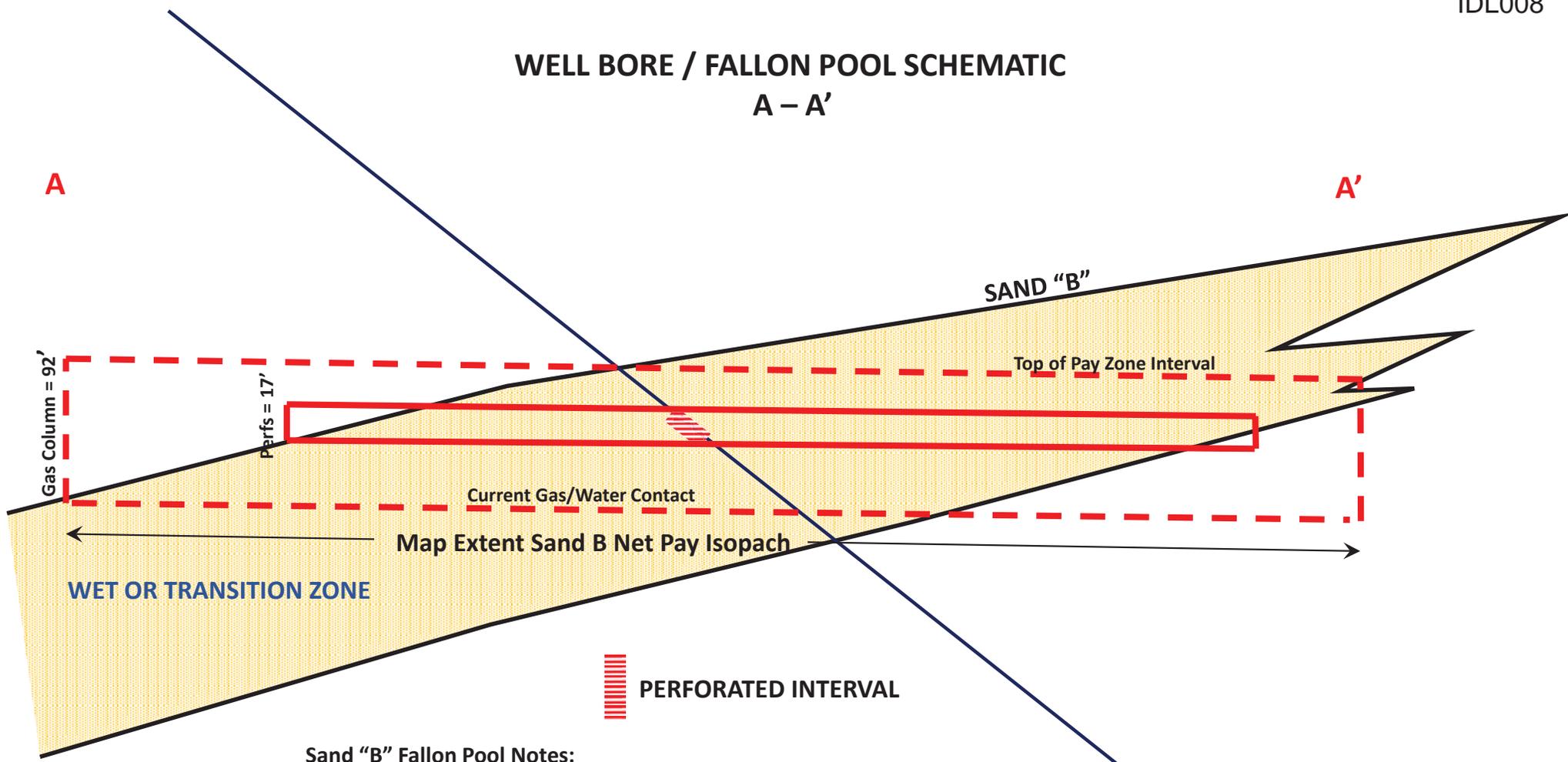
**WELL BORE / FALLON POOL SCHEMATIC**  
**A – A'**



Current Producing Interval - Completed 3/11/2018:  
 68.7° API (Corr) Gravity Condensate GOR 32,279:1  
 Last FTP reported: 1290 PSI (3/11/2018)  
 Last BHP reported: 1448 PSI (3/11/2018)

Notes:  
 Gas column (TVD): 3545' – 3453' = 92' Gross / 70' Net  
 Net to Gross = 76%  
 Pf: 3815'-3835' MD = 20'; calculated TVD = 17'

### WELL BORE / FALLON POOL SCHEMATIC A – A'



A

A'

SAND "B"

Gas Column = 92'

Perfs = 17'

Top of Pay Zone Interval

Current Gas/Water Contact

Map Extent Sand B Net Pay Isopach

WET OR TRANSITION ZONE



PERFORATED INTERVAL

**Sand "B" Fallon Pool Notes:**

Gas column (TVD): 3545' – 3453' = 92' Gross / 70' Net

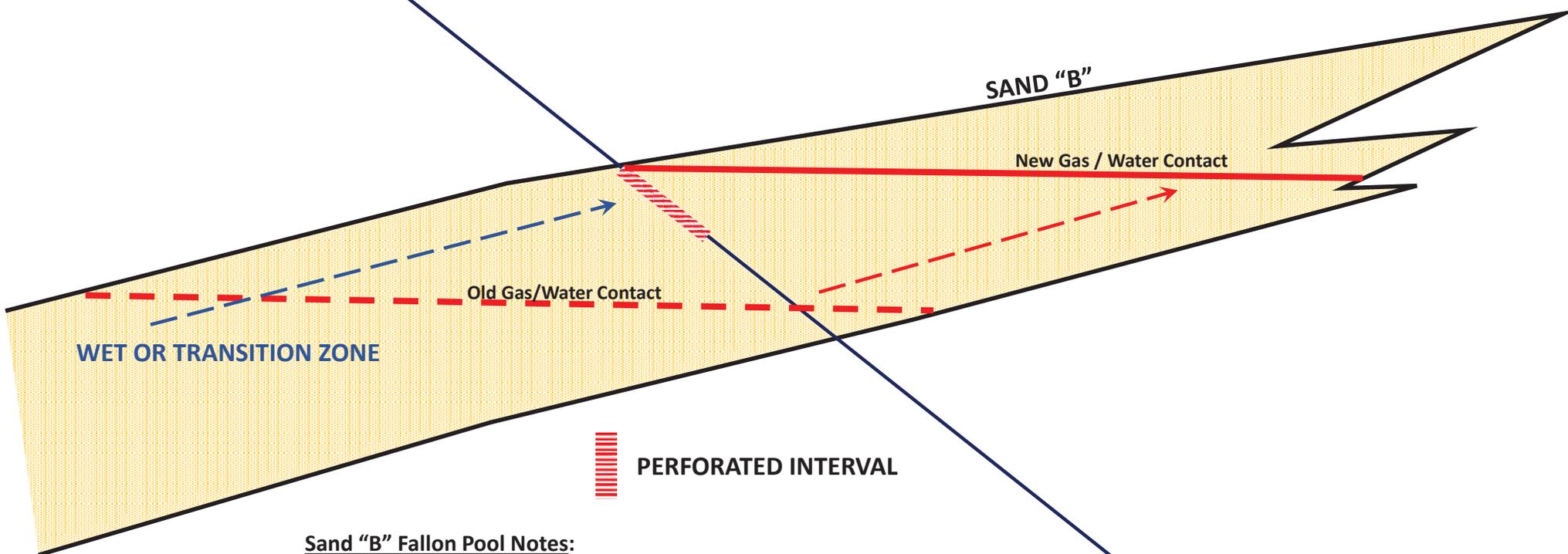
Net to Gross = 76%

Pf: 3815'-3835' MD = 20'; calculated TVD = 17'

### WELL BORE / FALLON POOL SCHEMATIC A – A'

A

A'



WET OR TRANSITION ZONE

Old Gas / Water Contact

New Gas / Water Contact

SAND "B"

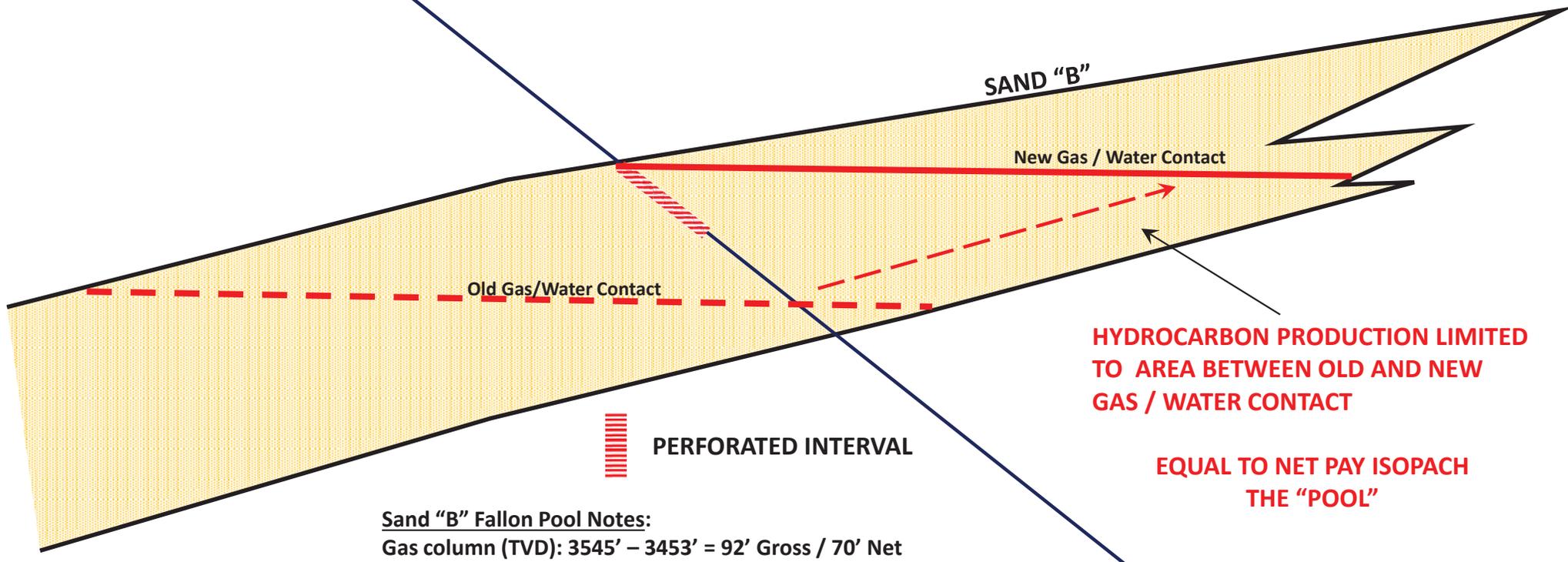
PERFORATED INTERVAL

**Sand "B" Fallon Pool Notes:**  
Gas column (TVD): 3545' – 3453' = 92' Gross / 70' Net  
Net to Gross = 76%  
Pf: 3815' - 3835' MD = 20'; calculated TVD = 17'

### WELL BORE / FALLON POOL SCHEMATIC A – A'

A

A'



HYDROCARBON PRODUCTION LIMITED TO AREA BETWEEN OLD AND NEW GAS / WATER CONTACT

EQUAL TO NET PAY ISOPACH THE "POOL"

**Sand "B" Fallon Pool Notes:**  
Gas column (TVD): 3545' – 3453' = 92' Gross / 70' Net  
Net to Gross = 76%  
Pf: 3815'-3835' MD = 20'; calculated TVD = 17'

## CONCLUSIONS

IDL011

1. BASED ON THE LOG INFORMATION PROVIDED TO IDAHO DEPARTMENT OF LANDS, THE FALLON #1-10 WELL BORE APPEARS TO HAVE ENCOUNTERED THE WATER LEG OF THE FALLON 'B' SAND POOL.
2. BASED ON THE DRILLED ANGLE OF THE FALLON #1-10 WELL BORE AND THE GEOMETRY OF THE FALLON 'B' SAND, IT IS PROBABLE THAT THE FALLON WELL WILL ONLY DRAIN THE AREA INDICATED BY THE FALLON 'B' SAND NET PAY ISOPACH.
3. BECAUSE NO PRODUCTION HISTORY EXISTS FOR THE FALLON WELL, IT IS DIFFICULT TO DETERMINE THE RESERVOIR DRIVE MECHANISM FOR THE FALLON 'B' SAND POOL. HOWEVER, GIVEN THE HISTORY OF PRODUCTION AT WILLOW FIELD, THE KNOWN POROSITY AND PERMEABILITY OF THE RESERVOIR SANDS IN THE PAYETTE BASIN, AND THE PRESENCE OF A WATER LEG IN THE FALLON 'B' SAND, IT IS PROBABLE THAT THERE IS SOME WATER SUPPORT FOR THE RESERVOIR DRIVE.
4. IT IS PROBABLE THAT WATER ENCROACHMENT INTO THE PERFORATED INTERVAL WILL LIMIT PRODUCTION TO THE EXTENT OF THE POOL INDICATED BY THE FALLON 'B' SAND NET PAY ISOPACH.
5. BASED ON THE MAPS PROVIDED BY THE APPLICANT, THE PROPOSED +/- 300 ACRE WOULD APPEAR TO BE THE APPROPRIATE SIZE FOR THIS UNIT.

IDL011

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ATTORNEY GENERAL

DARRELL G. EARLY  
Chief of Natural Resources Division

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Attorneys for Idaho Department of Lands

BEFORE THE IDAHO DEPARTMENT OF LAND

IN THE MATTER OF the Application of Snake River Oil and Gas, LLC, for Spacing Order Consisting of the E ½ of the SE ¼ of Section 9, the SW ¼ of Section 10, the N ½ of the N ½ of the NW ¼ of Section 15, and the N ½ of the NE ¼ of the NE ¼ of Section 16, Township 8 North, Range 5 West, Boise Meridian, Payette County, Idaho.

Snake River Oil and Gas, LLC, Applicant

Docket No. CC-2020-OGR-01-001

**IDAHO DEPARTMENT OF LANDS'  
WITNESS LIST**

COMES NOW the Idaho Department of Lands (“IDL”), by and through the Office of the Attorney General, its counsel of record, and pursuant to the Prehearing Order and Notice of Hearing, dated July 21, 2020, hereby submits the following list of persons that IDL may call as witnesses at the hearing in this matter:

1. James Thumb, Idaho Department of Lands Employee

IDL reserves the right to call any witness listed on any other party's witness list. IDL reserves the right to amend or supplement this list in advance of hearing.

DATED this 10th day of August, 2020.

STATE OF IDAHO  
OFFICE OF THE ATTORNEY GENERAL



JOY M. VESA  
Deputy Attorney General  
for Idaho Department of Lands

**CERTIFICATE OF SERVICE**

I HEREBY CERTIFY that on this 10th day of August 2020, I caused to be served a true and correct copy of the foregoing by the following method to:

Mick Thomas  
c/o Kourtney Romine  
Idaho Department of Lands  
300 N 6th St, Ste 103  
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Boise, ID 83720-0050

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 Statehouse Mail

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 Statehouse Mail

Snake River Oil & Gas, LLC  
c/o Michael Christian  
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1010 S. Capitol Blvd, Ste 930  
Boise, ID 83702

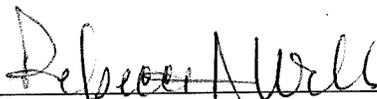
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