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To: [Mick Thomas](#); [Michael Christian](#); [James Piotrowski](#); sjb@msbtlaw.com; [Cherese D. McLain](#)
Cc: [Fugate, Kristina](#); [Kourtney Romine](#); [Christopher Gozzo](#); [James Thum](#)
Subject: IDL Amended Exhibit 1
Date: Thursday, August 13, 2020 08:54:20 AM
Attachments: [Amended Ex. IDL-1 CC-2020_OGR-01-001_REV02.pdf](#)
Importance: High

Good Morning Everyone,

Attached to this email is IDL's Amended Exhibit 1, which we would prefer to use during today's hearing. A slide was added at what is now page "Amended IDL011". All other slides are the same as the Exhibit circulated on Monday.

Apologies for any confusion this amendment may cause.

Regards,

Joy

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SPACING UNIT APPLICATION HARMON FIELD AREA PAYETTE CO., IDAHO

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

AUGUST 13, 2020

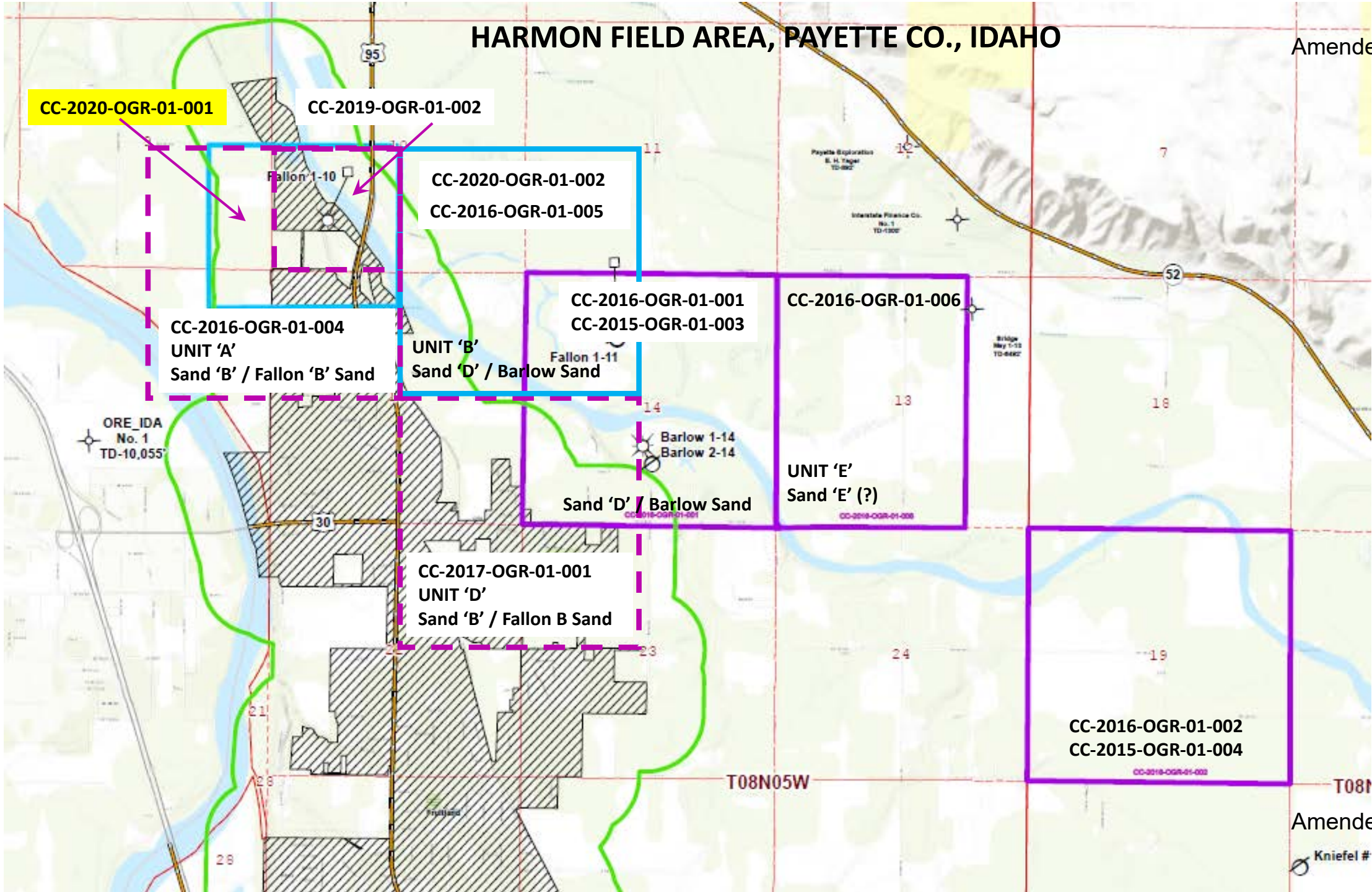
UNIT A - FALLON 'B' SAND

IDAHO DEPARTMENT OF LANDS

EXHIBIT IDL-1

HARMON FIELD AREA, PAYETTE CO., IDAHO

Amended IDL002

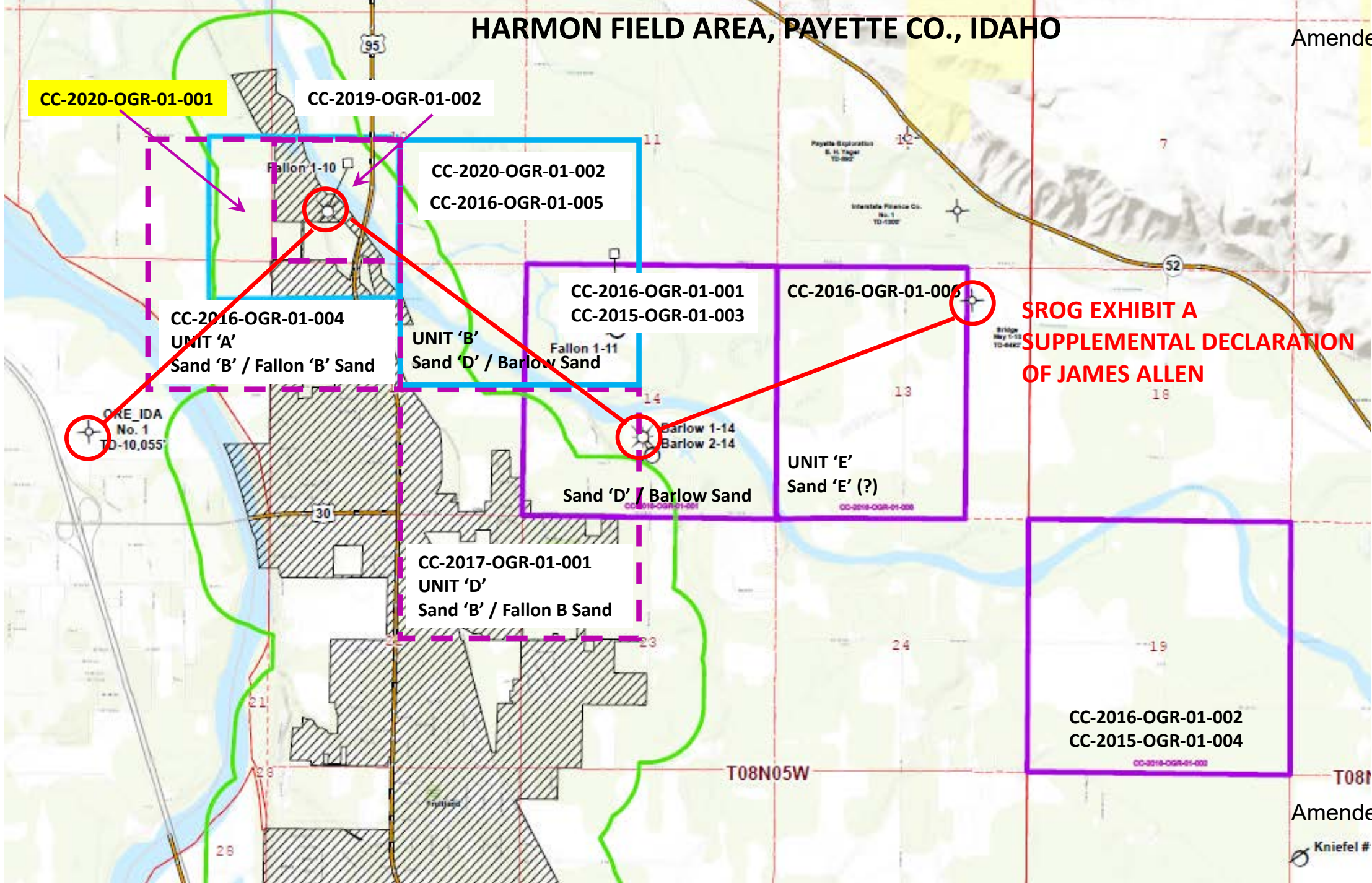


Amended IDL002

Kniefel #

HARMON FIELD AREA, PAYETTE CO., IDAHO

Amended IDL003



**SROG EXHIBIT A
SUPPLEMENTAL DECLARATION
OF JAMES ALLEN**

Amended IDL003

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**PRE-DRILL UNIT / INTEGRATION
APPLICATION – NOVEMBER 2016**

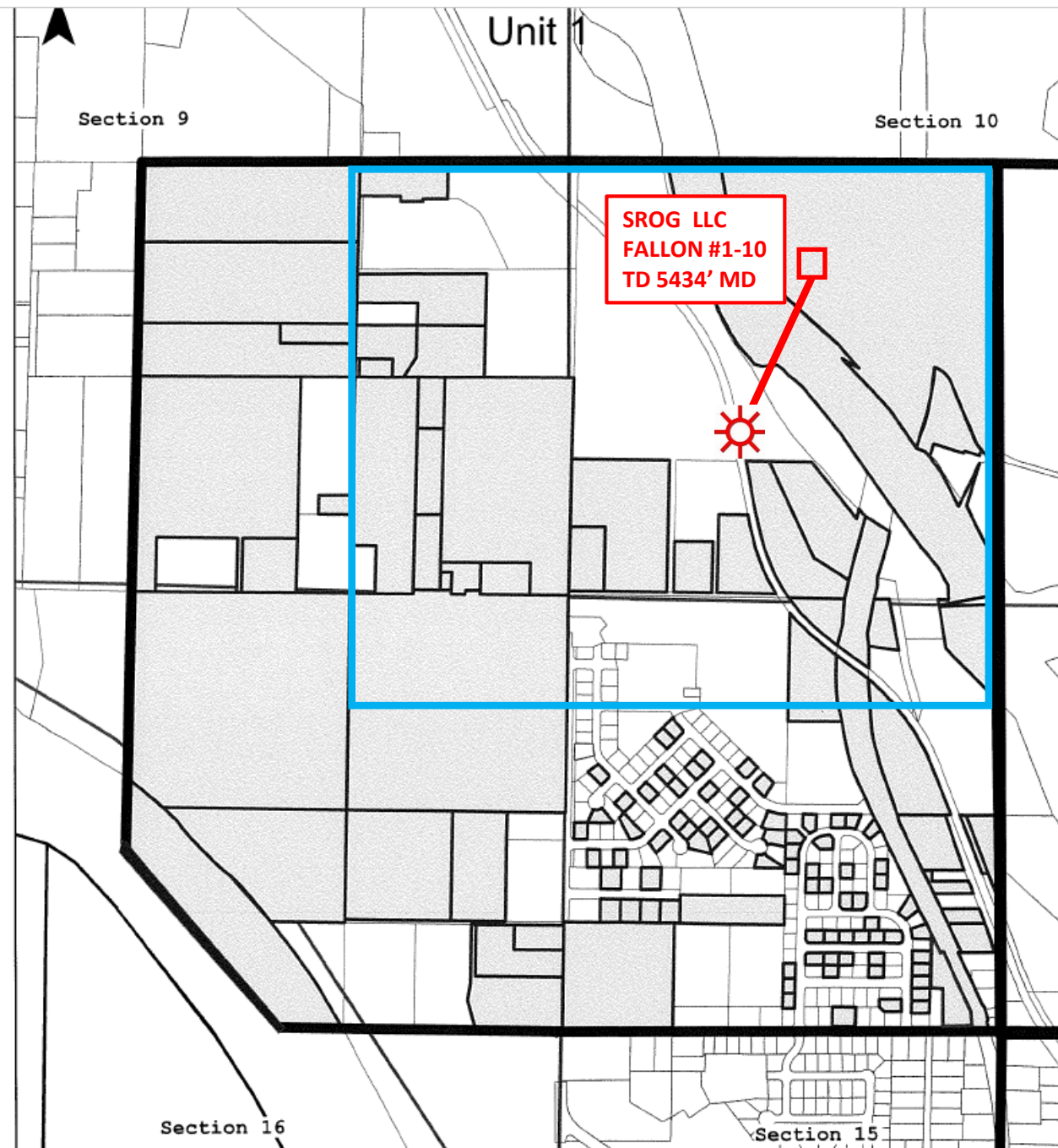
2016 PROPOSED +/- 620 ACRE UNIT

**POST-DRILL SPACING UNIT APPLICATION
FEBRUARY 2020**

2020 PROPOSED +/- 300 ACRE UNIT

 **SURFACE LOCATION**

 **BOTTOM HOLE LOCATION**

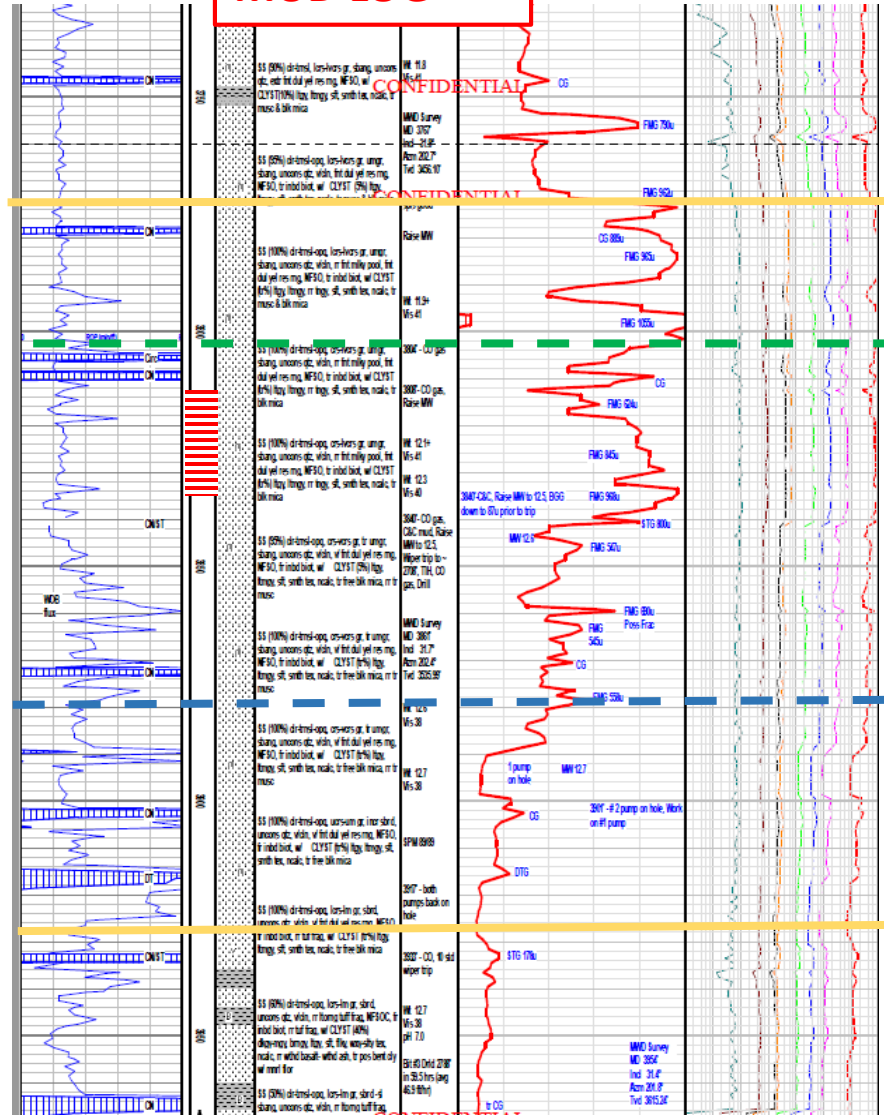


**FALLON #1-10
MUD LOG**

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

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

Amended IDL005



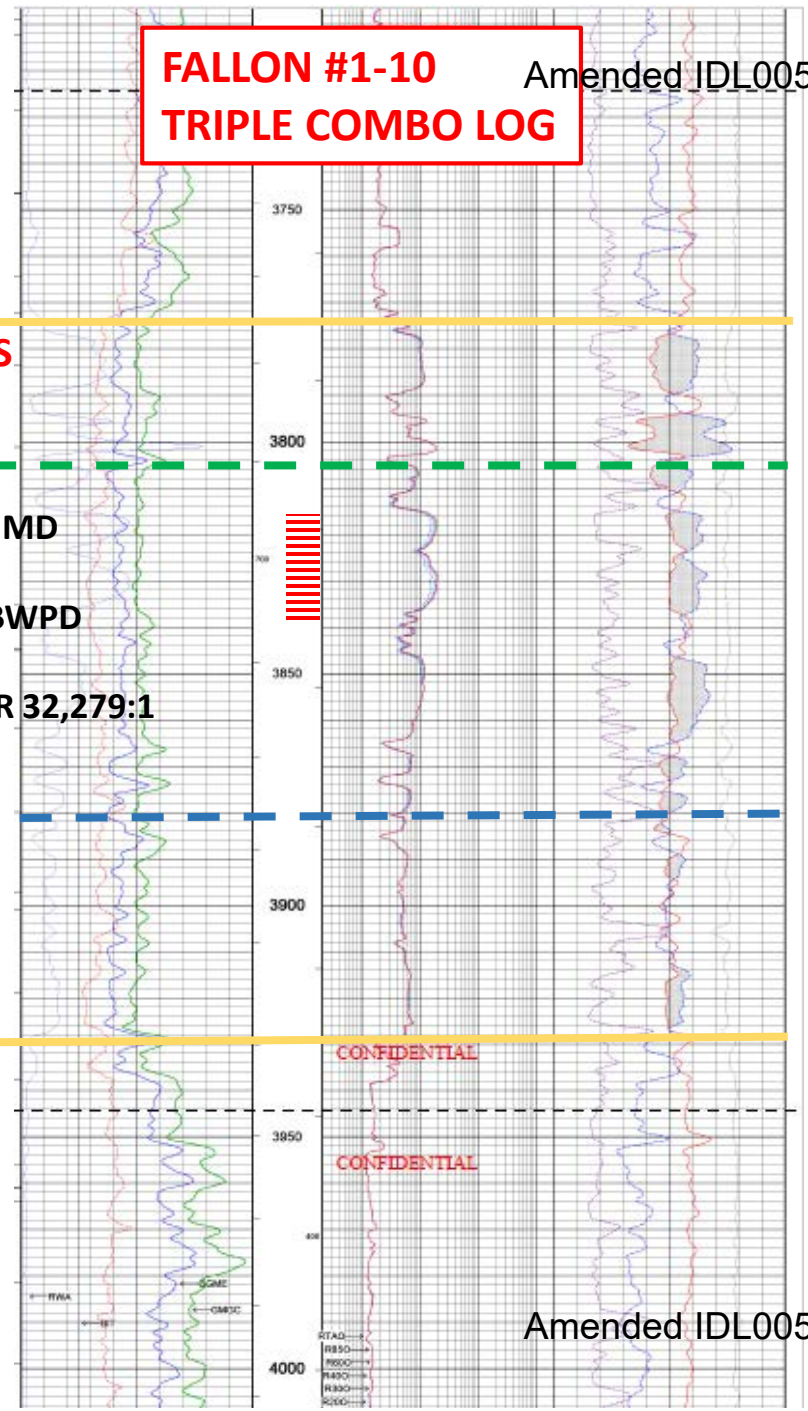
TOP OF 'B' SAND 3774' MD **GAS**

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

Amended IDL005

COMPLETION 02 REV01

COMPLETION 02 REV02

Amended 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)
2.875"	6.5#	3,592	3,592

LINER RECORD

Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)

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

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 (bbls.)	Gas Prod. During Test (MCF)	Water Prod. During Test (bbls.)
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

Called Rate per 24 hrs	Oil (bbls.)	Gas (MCF)	Water (bbls.)	Gas—oil ratio
	118.94	3809.15	6.26	32,279

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

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)
2.875"	6.5#	3,592	3,592

LINER RECORD

Size: (ft)	Top: (ft)	Bottom: (ft)	Sacks Cement:	Screen: (ft)

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

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 (bbls.)	Gas Prod. During Test (MCF)	Water Prod. During Test (bbls.)
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

Called Rate per 24 hrs	Oil (bbls.)	Gas (MCF)	Water (bbls.)	Gas—oil ratio
	41	3,330	0	81,220

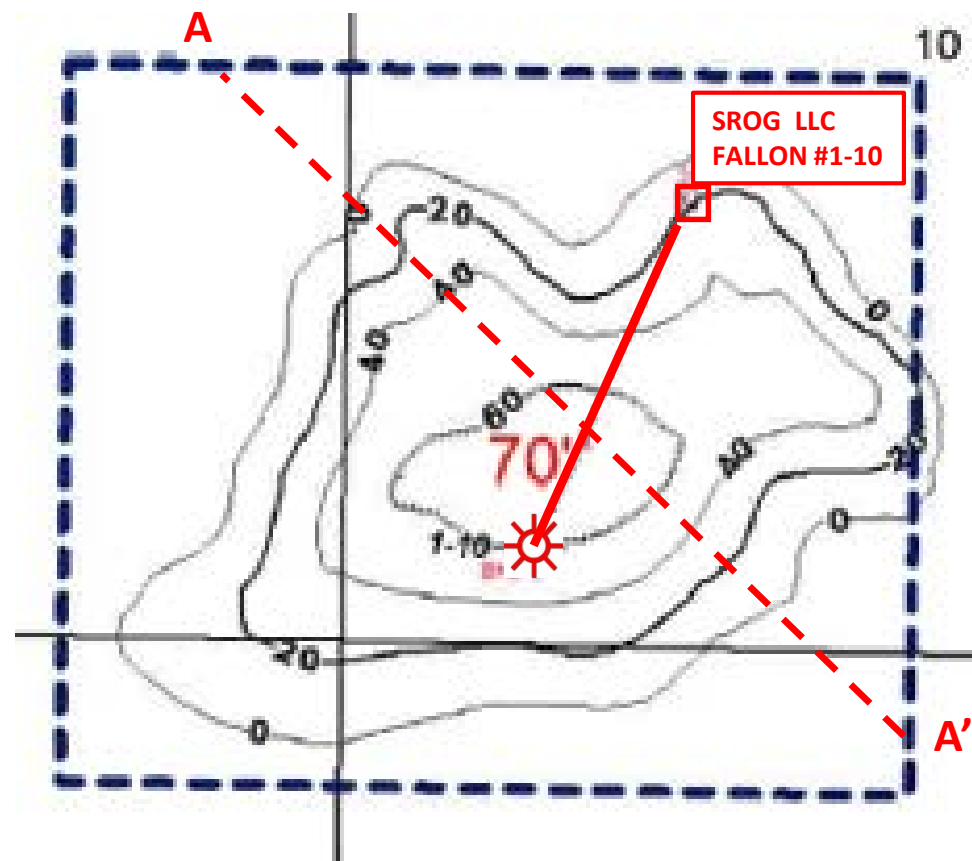
Disposition of gas (state whether vented, used for fuel or sold): flared

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.

Amended IDL006

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

WELL BORE / FALLON POOL SCHEMATIC
A – A'



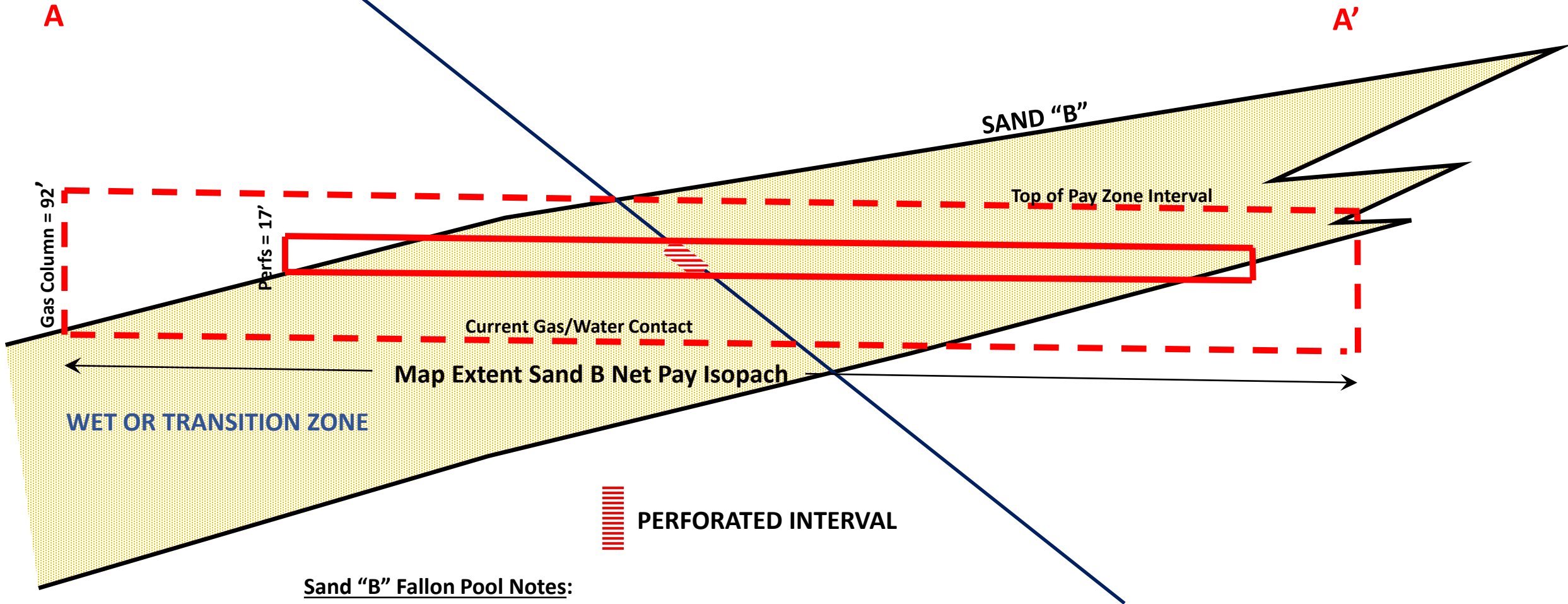
Current Producing Interval - Completed 3/11/2018:
68.7° API (Corr) Gravity Condensate GOR 32,279:1
Last FTP reported: 1290 PSI (3/11/2018)
Last BHP reported: 1448 PSI (3/11/2018)

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'



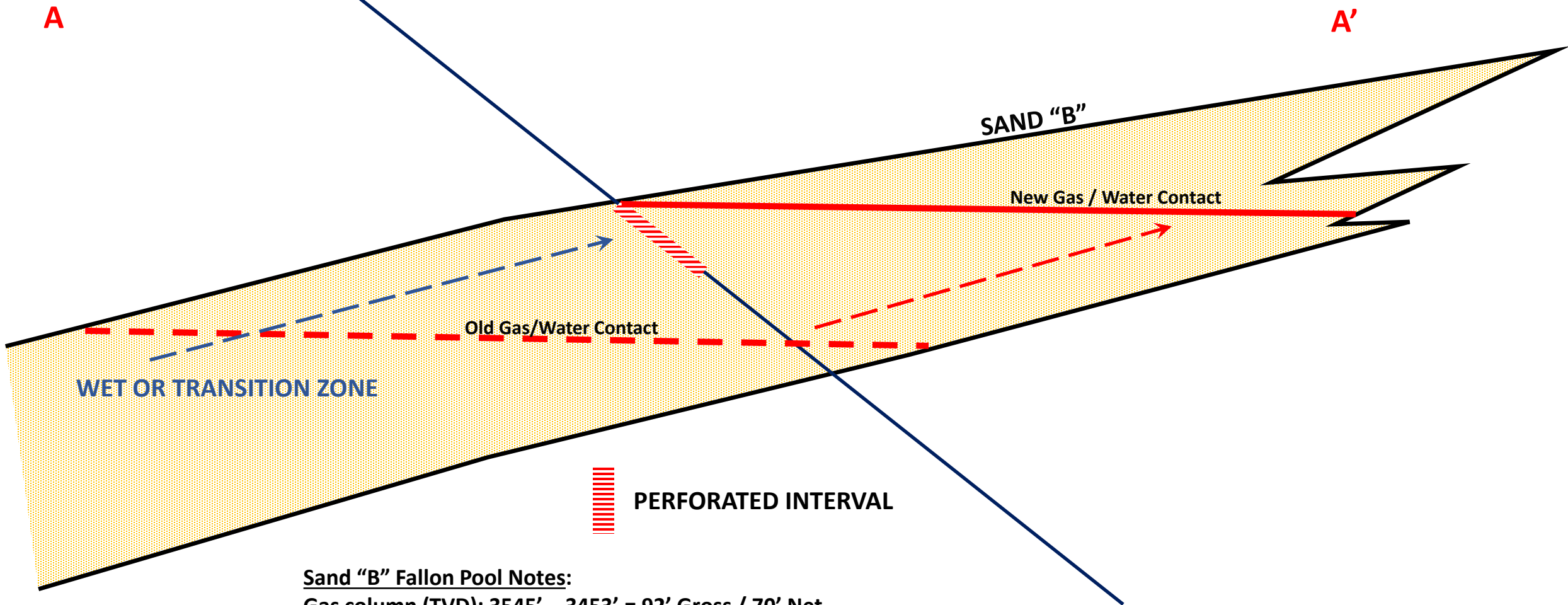
Sand "B" Fallon Pool Notes:

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

Net to Gross = 76%

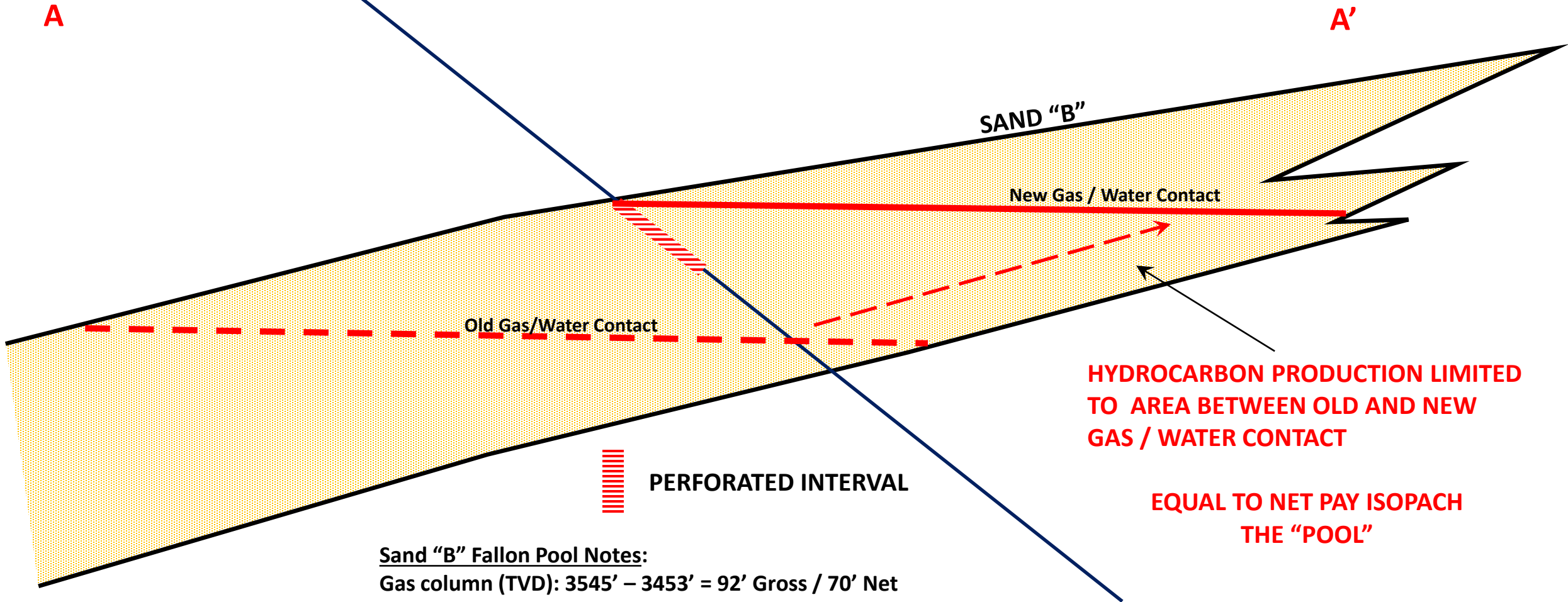
Pf: 3815'-3835' MD = 20'; calculated TVD = 17'

WELL BORE / FALLON POOL SCHEMATIC A – A'



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'

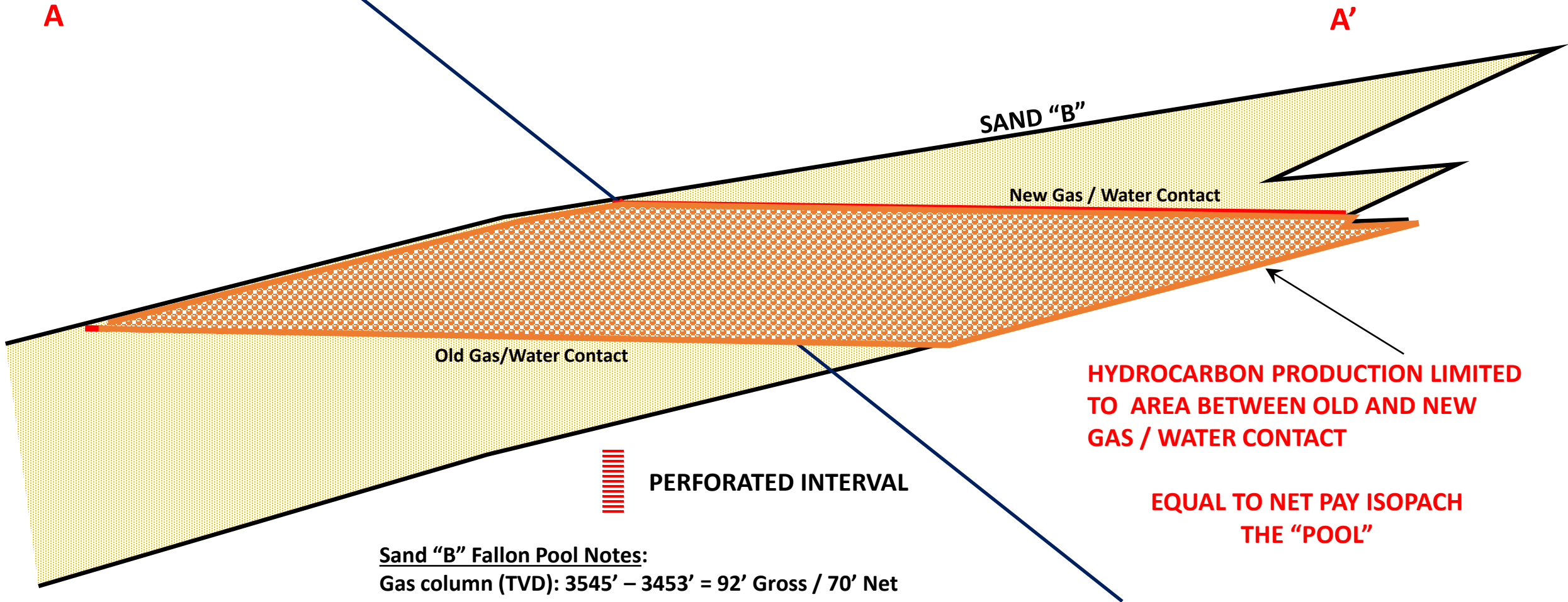


HYDROCARBON PRODUCTION LIMITED TO AREA BETWEEN OLD AND NEW GAS / WATER CONTACT

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'

WELL BORE / FALLON POOL SCHEMATIC A – A'



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'

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

**EQUAL TO NET PAY ISOPACH
THE "POOL"**

CONCLUSIONS

- 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.**