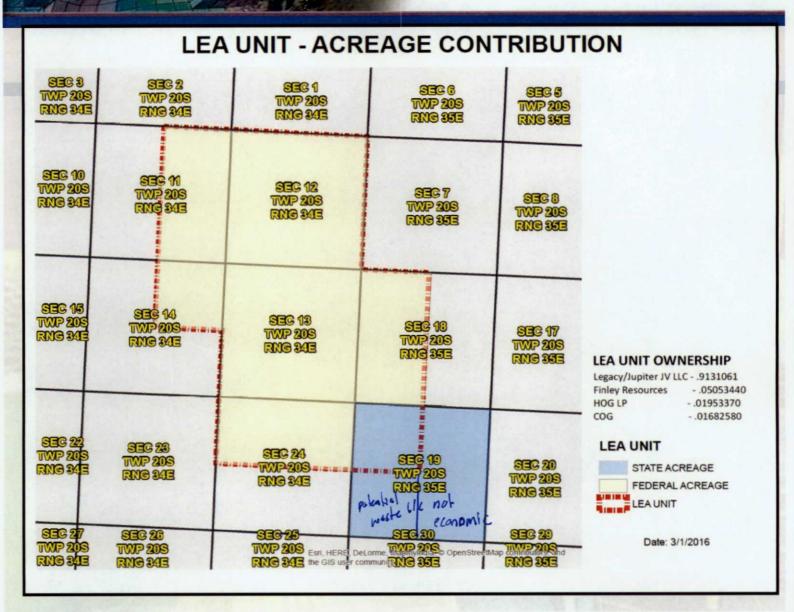
Lea Unit Acreage Contributions

10-25-16



Lea Unit

Acreage Contribution:

.ea Unit Acreage - 2,559.68

Federal Acreage - 2,399.68 Acres - 93.75% State Acreage - 160 Acres - 6.25%

Royalty Calculation:

- Current Royalty Payments under 5th Revision of Bone Spring Participation Area
 - Federal -.125
 - State 0.00
 - The State of New Mexico is entitled to 50% of the Federal royalty less a 2% fee.

'There is no Bone Spring production on the state acreage to date and cannot be incorporated in a Bone Spring Participation Area until a well in illed on the acreage.

Once Legacy drills the Lea Unit #59H the unit wide royalty would be paid as follows:

Federal - .125 Royalty X (2,399.68/2,559.68) = .11718652

State - .125 Royalty X (160 State Acres / 2,559.68 Lea Unit Acres) = .00781348

.ea Unit Ownership:

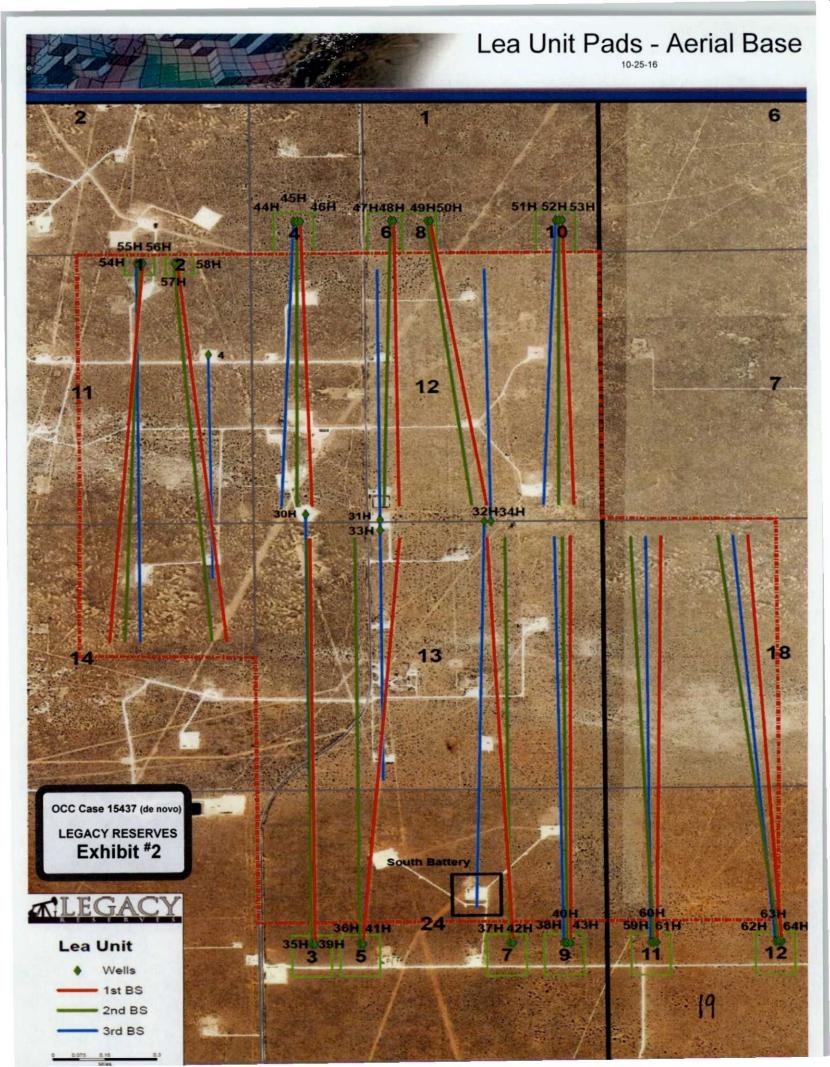
.egacy Reserves Operating LP/Jupiter JVLLC

inley Resources - .05053440

40G Limited Partnership

- .01953370

- .9131061





FedEx Tracking #7969 3262 3985
United States Department of the Interior
Bureau of Land Management
Carlsbad Field Office
620 E. Greene St.
Carlsbad, New Mexico 88220-6292

Attn: Jim Stovall - Carlsbad Field Office Manager

March 30, 2011

SUBJECT:

Protest of APD's Submitted by Mewbourne Oil Company #2H-Marathon Road 14 Fed Com #3H-Marathon Road 14 Fed Com E/2 Section 14, T20S, R34E Lea County, New Mexico

Legacy Reserves Operating, LP, hereby submits its protest of the above mentioned Application and Permits to Drill submitted by Mewbourne Oil Company.

Legacy Reserves Operating, LP as unit operator of the Lea Unit, protest as follows. Mewbourne Oil Company's proposed bottom hole locations (BHL's) and a portion of the proposed laterals on both wells will enter into and land in the NE/4 of Section 14 which is within the Lea Unit (Tract No 11 (NM-053434) and Tract No 12 (NM-080262)) boundaries. Legacy Reserves Operating, LP started a study on the feasibility of drilling a horizontal lateral in the 3rd Bone Spring Sand out of the Lea Unit #4 in late 2010. The APD for this project is in the process of being prepared and will be submitted soon. The proposed BHL for the Lea Unit #4H lands at 1980' FNL and 660' FEL, section 14 with a TVD of 10,926' (+/-7,250' sub surface) and a MD of 16,150'. Legacy Reserves Operating, LP also plans to drill dual laterals out of the Lea Unit #6 well (North and South) of which the South lateral would cover and land in the W/2 of the NE/4 of section 14. Further plans are to drill multiple horizontal laterals within the Lea Unit boundaries in a North-South direction in the coming months and years.

For these reasons, Legacy Reserves Operating, LP protest the drilling of the #2H-Marathon Road 14 Fed Com and #3H Marathon Road Fed Com wells as proposed by Mewbourne Oil Company. Please do not hesitate to contact me if you have any questions or need additional information regarding this protest.

Thank you in advance for your consideration in this matter.

Sincerely

D. Patrick Darden, P.E. Senior Engineer 432-689-5237

dpd

OCC Case 15437 (de novo)

Exhibit #3

#54H

3rd BSS

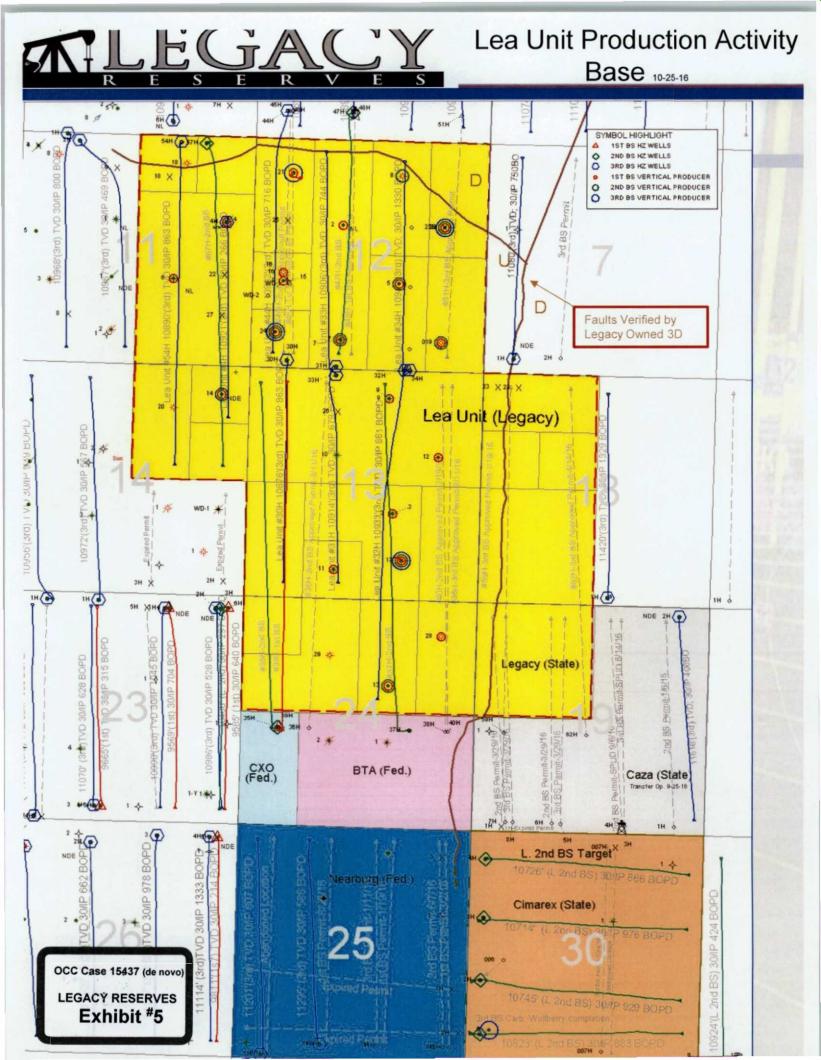
1

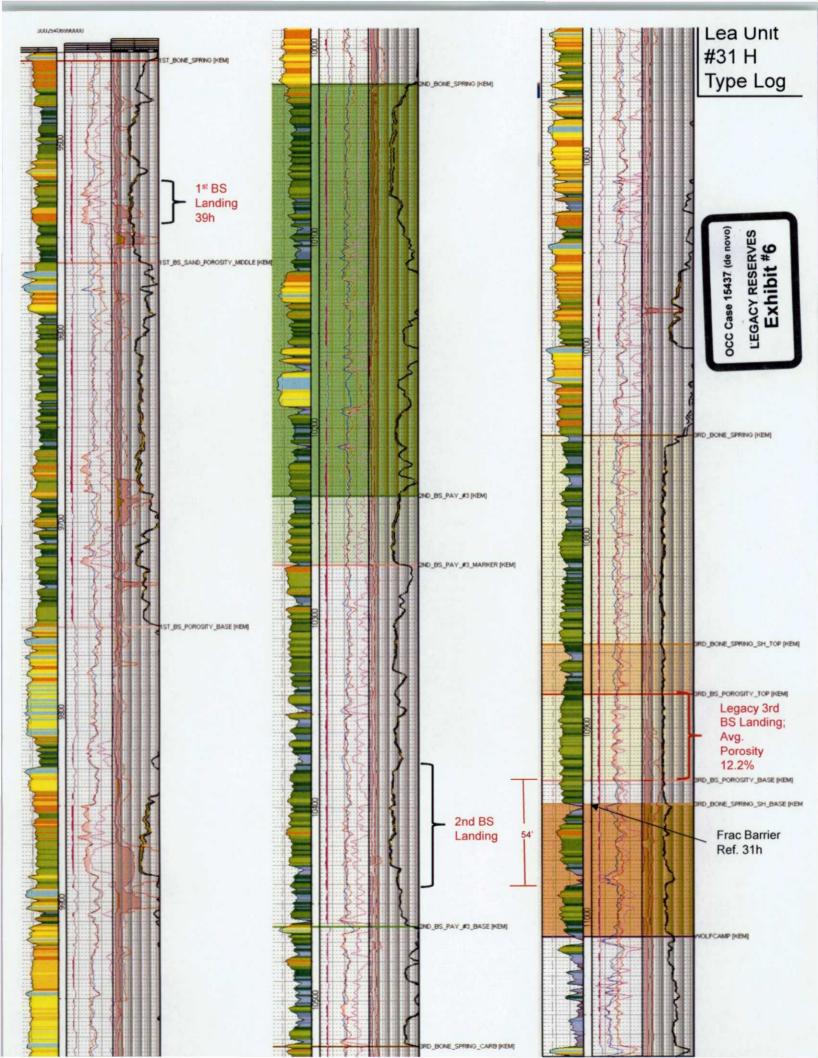
)

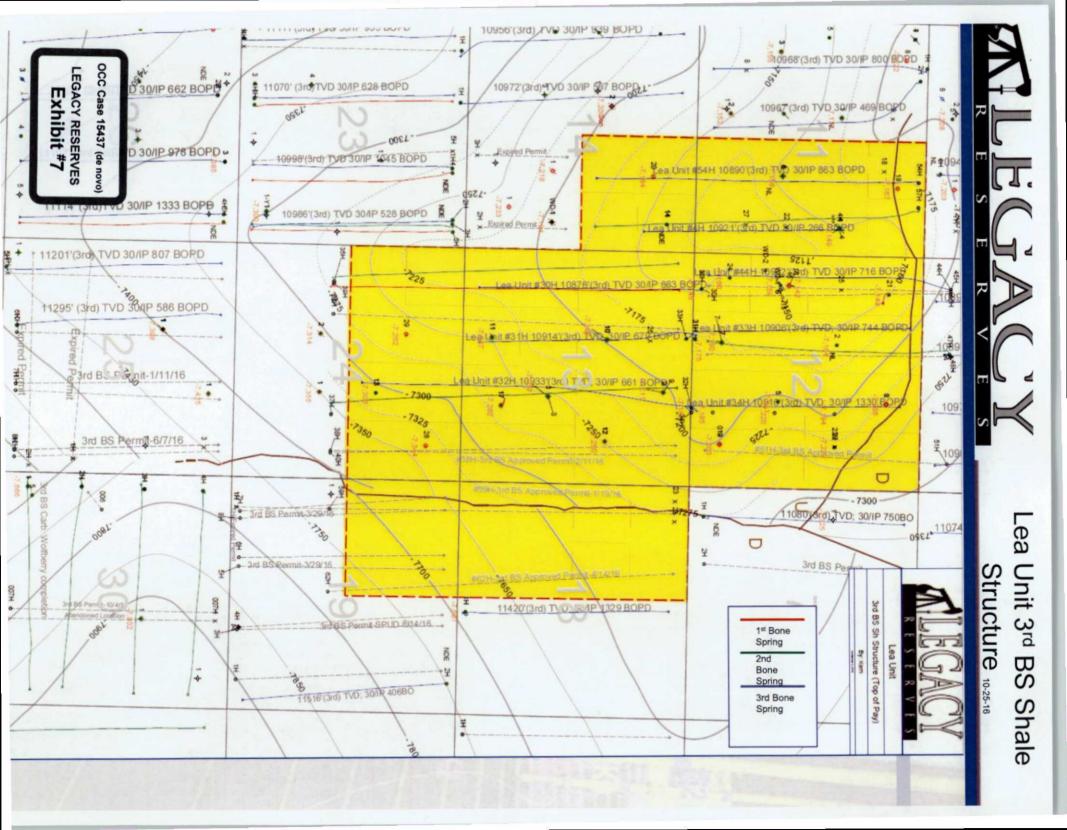
Lea Unit - BLM Activity

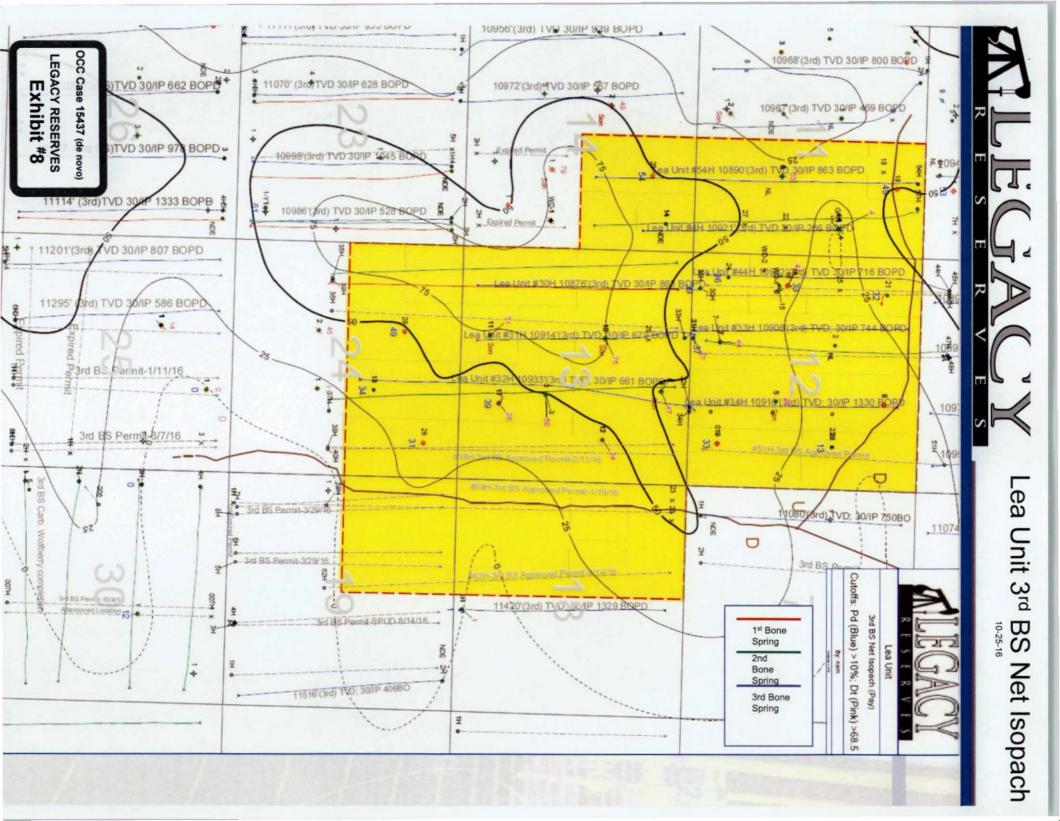
ĒΑ

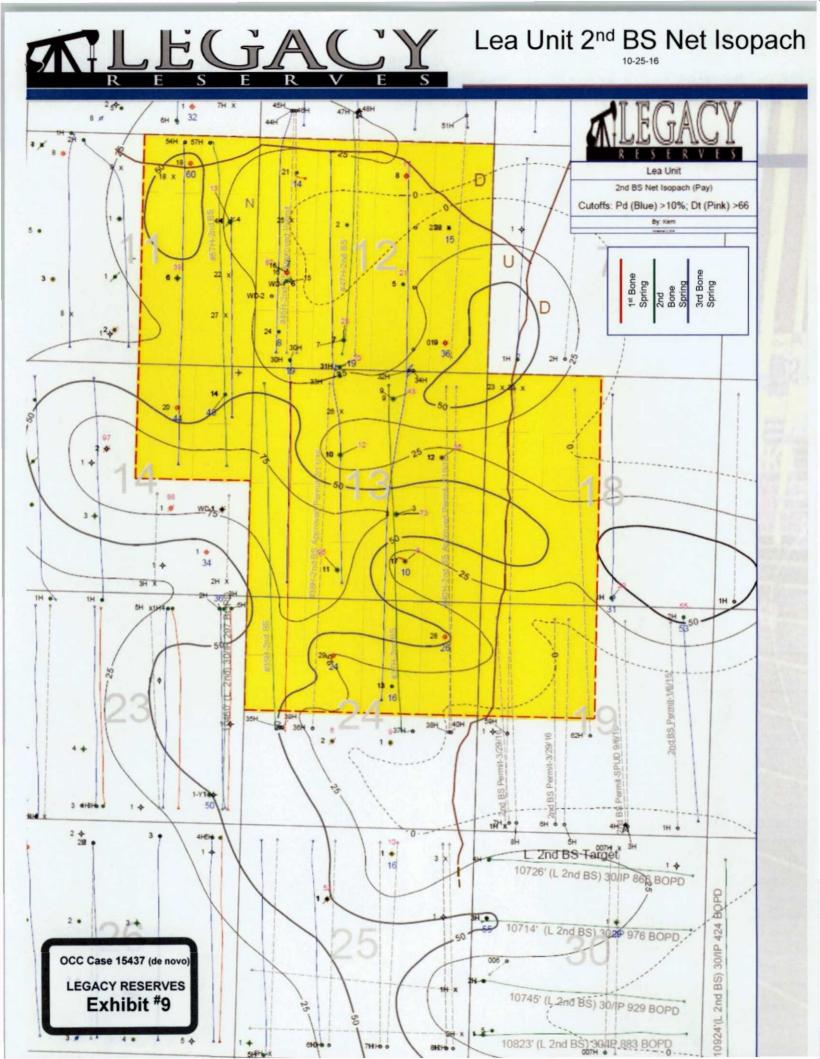
UNIT









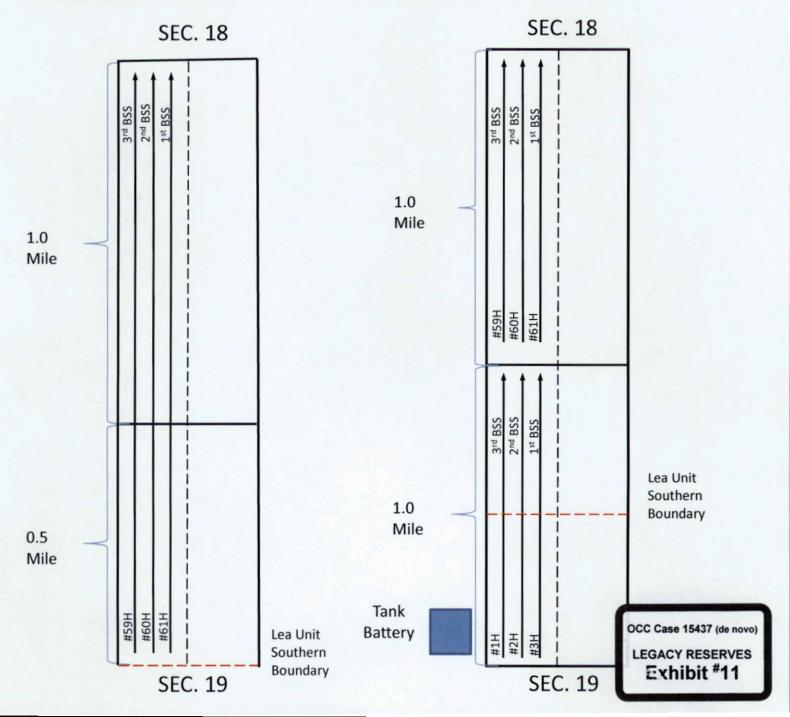


Lea Unit 1st BS Net Isopach Lea Unit D 1st BS Net Isopach (Pay) Cutoffs: Pd (Blue) >10%; Dt (Pink) >66 124 41 2H 6 WD-1 # 1 0 66 2H X 1H . 30/IP 315 BOPD 62H 6 1-Y1++ 38 1H e 21 9811'(157) TVD 30/IP 214 BOPD st BS Permit-1/19/16 1st BS Permit -8/26/16 1 St BS Permit 3/2/16 OCC Case 15437 (de novo) Exhibit #10 7H10 0

VS. CAZA PROPOSAL STICK DIAGRAMS

LEGACY'S CURRENT
DEVELOPMENT PLAN FOR
W/2W/2 SEC. 19 & 18

CAZA'S PROPOSED
APPLICATION FOR W/2W/2
SEC. 19 & 18



LEGACY CURRENT DEVELOPMENT VS. CAZA PROPOSAL PARAMETERS

LEGACY'S CURRENT DEVELOPMENT PLAN FOR W/2W/2 SEC. 19 & 18

- 3 1.5 MILE LATERALS (1ST, 2ND, & 3RD BONE SPRING SAND).
- INITIAL D&C CAPITAL
 INVESTMENT FOR A 1.5
 MILE LATERAL = \$5.5MM
- NO ADDITIONAL FACILITY COST.
- TOTAL INVESTMENT = \$16.5MM

CAZA'S PROPOSED APPLICATION FOR W/2W/2 SEC. 19 & 18

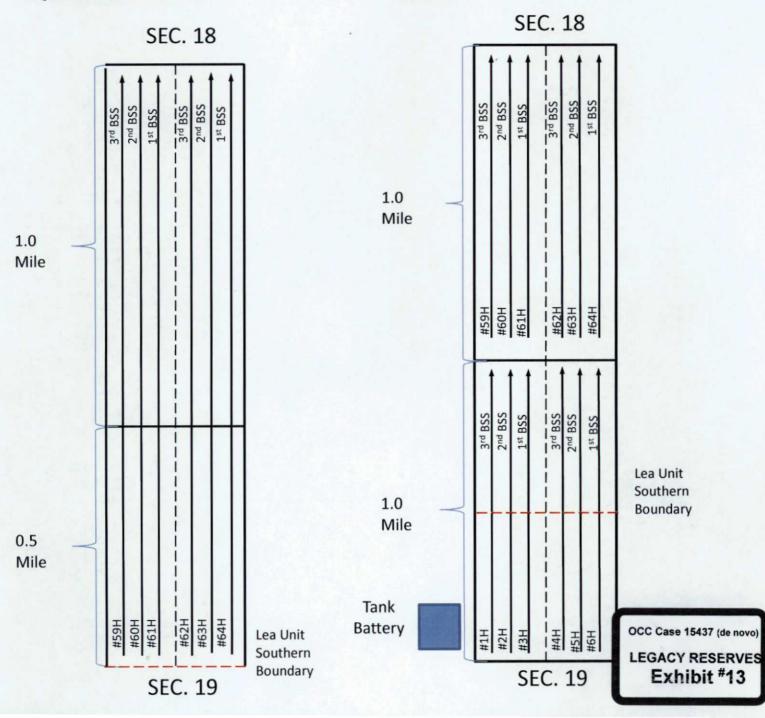
- 1 1.0 MILE LATERAL (3RD BONE SPRING SAND).
- AT FULL DEVELOPMENT = 6
 1.0 MILE LATERALS
- INITIAL D&C CAPITAL INVESTMENT FOR A 1.0 MILE LATERAL = \$5.2MM (CAZA AFE)
- RE-ALLOCATION OF LEGACY TANK BATTERY = \$157k.
- LOCATION ROAD = \$125k
- SUNK LOCATION COST ON #59H = \$200k.
- TOTAL INVESTMENT = \$31.7MM

INCREASES LEGACY'S (& PARTNER'S) D&C COST BY \$15.2MM

VS. CAZA FULL DEVELOPMENT STICK DIAGRAM

LEGACY'S CURRENT DEVELOPMENT PLAN FOR W/2 SEC. 19 & 18

CAZA'S PROPOSED
APPLICATION FOR W/2 SEC.
19 & 18



LEGACY CURRENT DEVELOPMENT VS. CAZA FULL DEVELOPMENT PARAMETERS

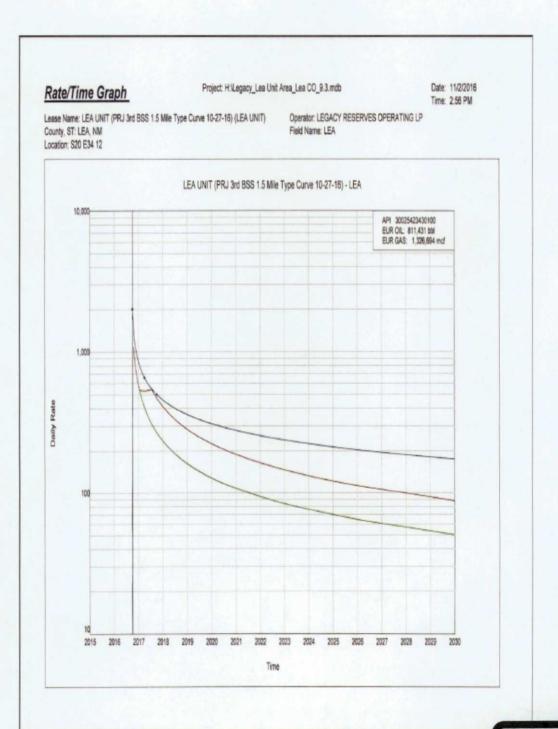
LEGACY'S CURRENT DEVELOPMENT PLAN FOR W/2 SEC. 19 & 18

- 6 1.5 MILE LATERALS (1ST, 2ND, & 3RD BONE SPRING SAND).
- INITIAL D&C CAPITAL INVESTMENT FOR A 1.5 MILE LATERAL = \$5.5 MM
- NO ADDITIONAL FACILITY COST.
- TOTAL INVESTMENT = \$33.0MM

CAZA'S PROPOSED APPLICATION FOR W/2 SEC. 19 & 18

- 1 1.0 MILE LATERAL (3RD BONE SPRING SAND).
- AT FULL DEVELOPMENT = 12 1.0 MILE LATERALS
- INITIAL D&C CAPITAL INVESTMENT FOR 1.0 MILE LATERAL = \$5.2MM (CAZA AFE)
- RE-ALLOCATION OF LEGACY TANK BATTERY = \$314k.
- LOCATION ROAD = \$250k.
- SUNK LOCATION COST ON #59H & #62H = \$400k.
- TOTAL INVESTMENT = \$63.4MM

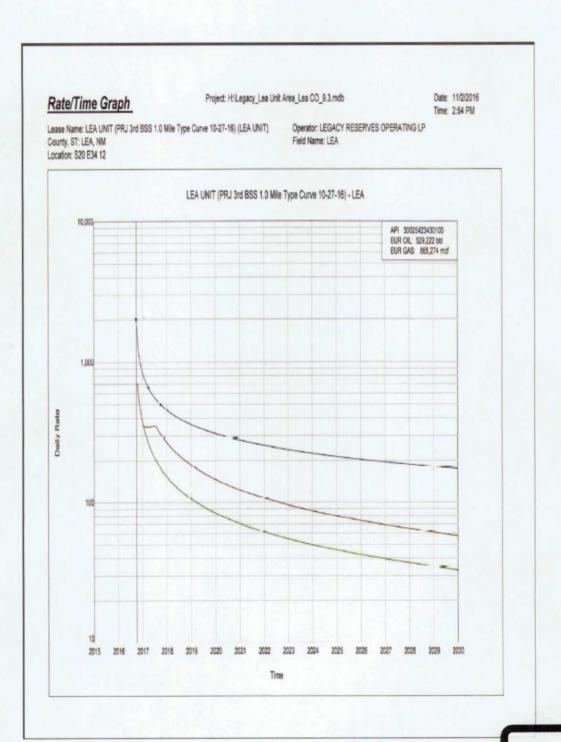
3RD BSS 1.5 MILE PROJECT TYPE CURVE



OCC Case 15437 (de novo)

LEGACY RESERVES
Exhibit #15

3RD BSS 1.0 MILE PROJECT TYPE CURVE



OCC Case 15437 (de novo)

EGACY RESERVES
Exhibit #16

ECONOMIC PARAMETERS

7,500' LATERAL

- PROJECT TYPE CURVE PRODUCTION RATES
- NYMEX STRIP (10-27-16)
- OPERATING EXPENSE OF \$18K FOR THE 1ST 2 YRS, & THEN \$5K FOR REMAINING LIFE OF THE PROJECT
- OIL DIFF = -\$3.84
- SWD = \$0.30 PER BW
- 100% WI VS 75% NRI
- \$5.5 MM INVESTMENT (D&C)

5,000' LATERAL

- PROJECT TYPE CURVE PRODUCTION RATES
- NYMEX STRIP (10-27-16)
- OPERATING EXPENSE OF \$18K FOR THE 1ST 2 YRS, & THEN \$5K FOR REMAINING LIFE OF THE PROJECT
- OIL DIFF = -\$3.84
- SWD = \$0.30 PER BW
- 100% WI VS 75% NRI
- \$5.2 MM INVESTMENT (D&C – CAZA AFE)



ECONOMIC RESULTS

7,500' LATERAL

- OIL EUR = 811 MBO
- GAS EUR = 1.327 MMCF
- EUR = 1.033 MBOE
- BOE/FT = 138
- ROR = >100%

5,000' LATERAL

- OIL EUR = 529 MBO
- GAS EUR = 865 MMCF
- EUR = 673 MBOE
- BOE/FT = 135
- ROR = 52%