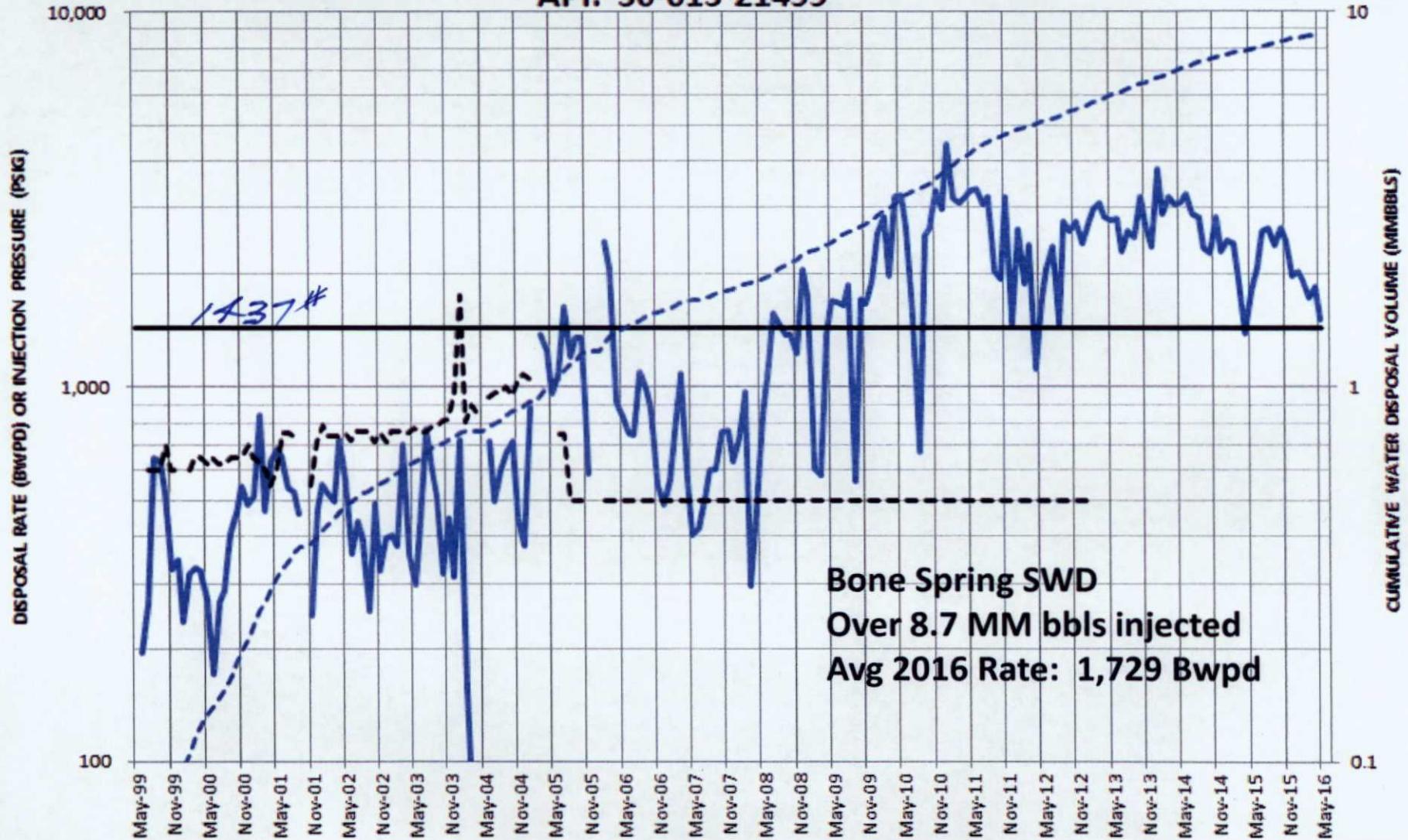


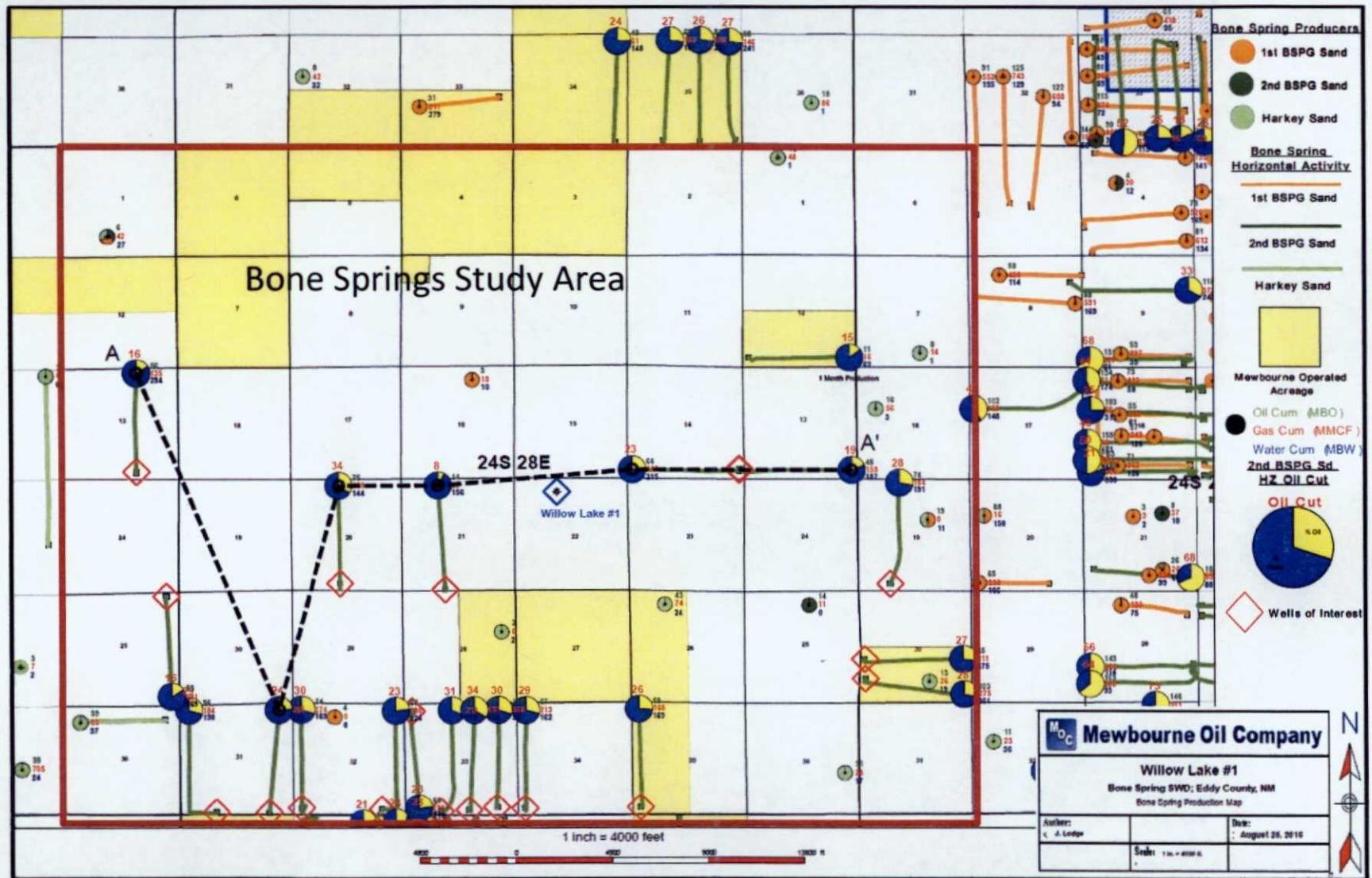
PYOTE WELL SERVICE - WILLOW LAKE SWD #1 (22-245-28E)

API: 30-015-21499



— BWPD - - - INJECTION PRESSURE (PSIG) — PERMITTED MAX INJ PRESSURE (PSIG) - - - CUM BBLs DISPOSED

LOCATION OF SECOND BONE SPRING PRODUCERS INCLUDED IN ANALYSIS

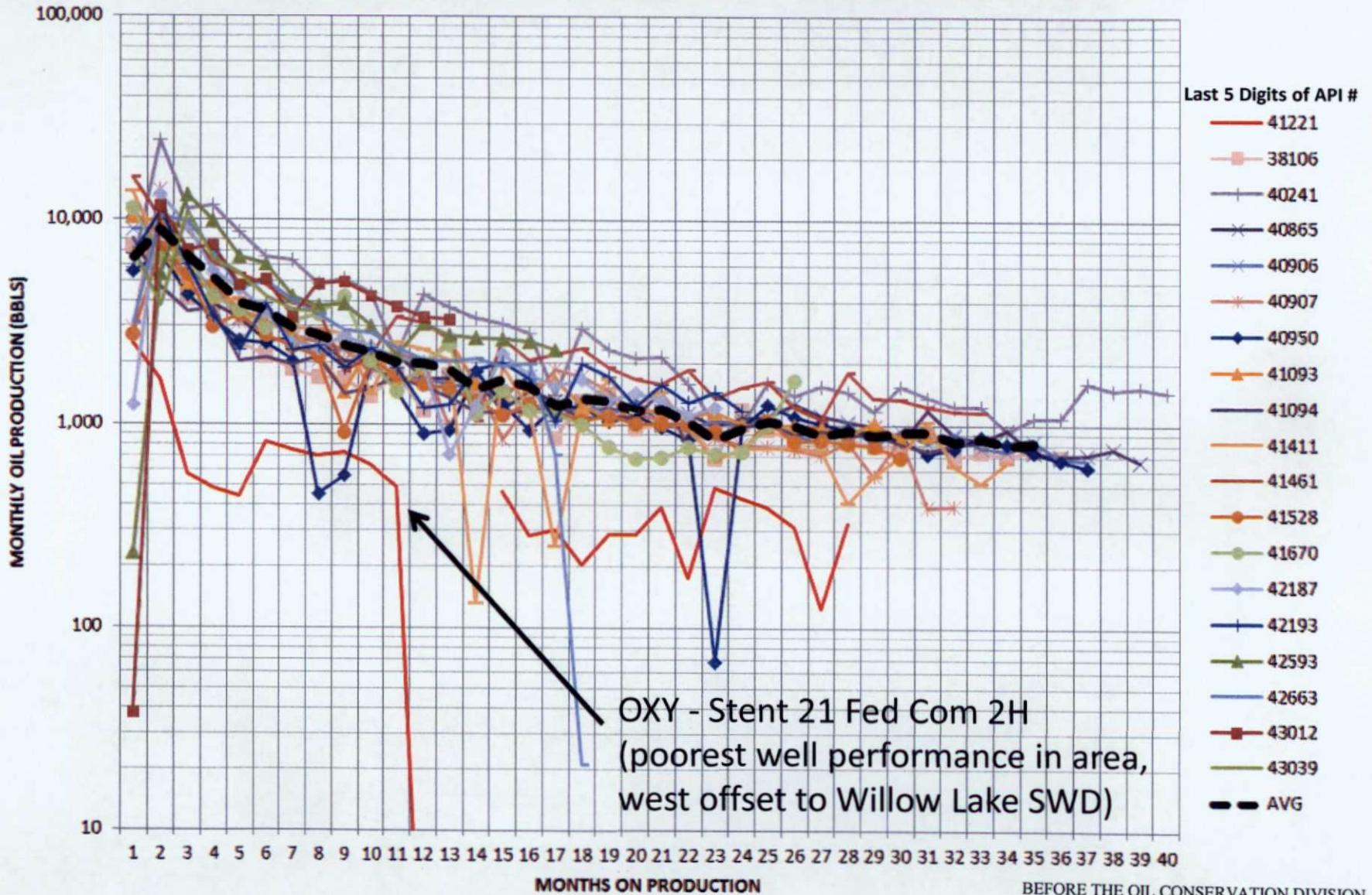


AVG CUM WOR = 3.3 BW / BO, AVG OIL CUT = 25%

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 13
Submitted by:
MEWBOURNE OIL COMPANY
Hearing Date: September 29, 2016

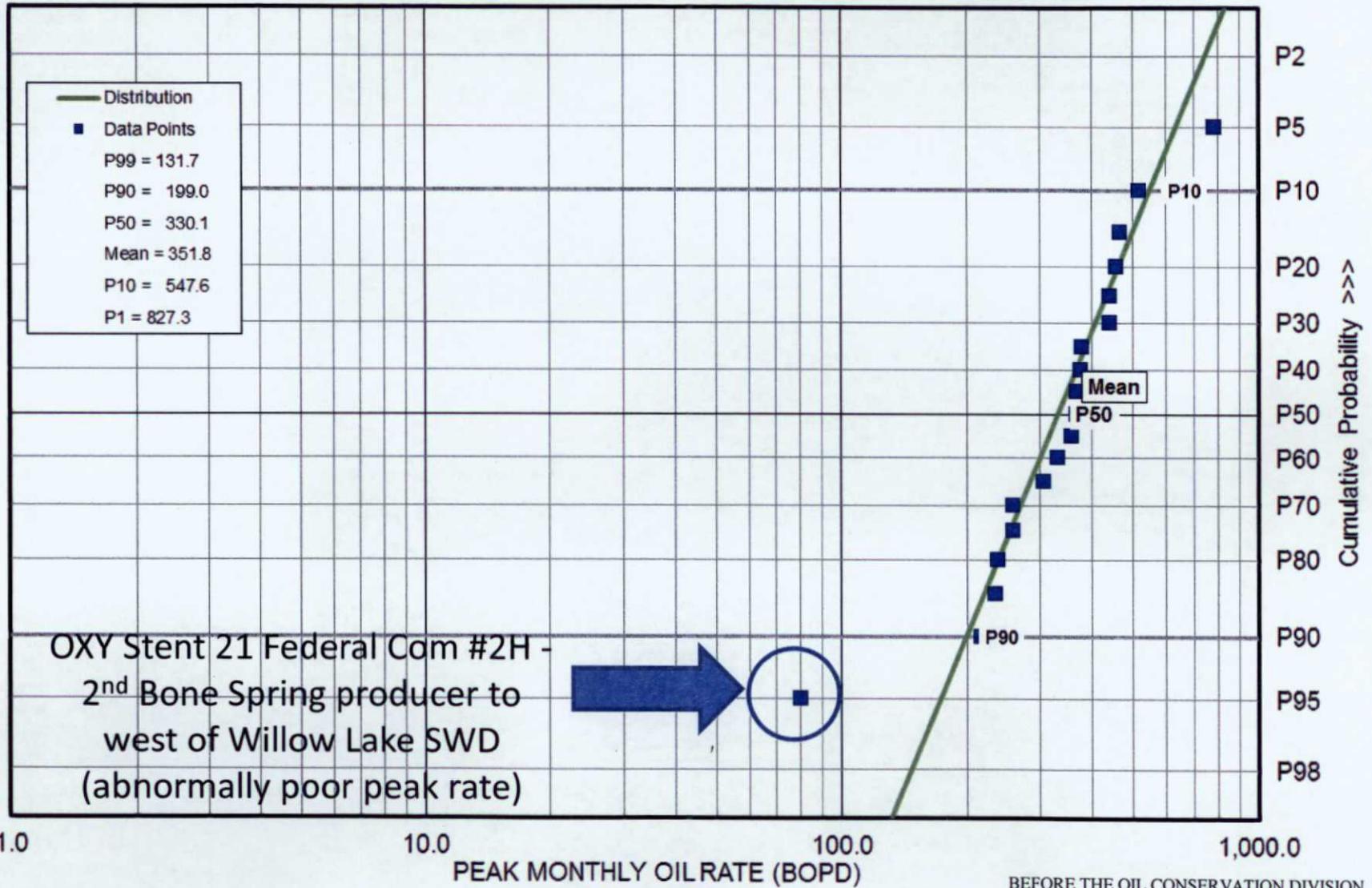
SECOND BONE SPRINGS WELL PERFORMANCE COMPARISON

HZ WELL NORMALIZED OIL PRODUCTION - 2ND BONE SPRING FORMATION



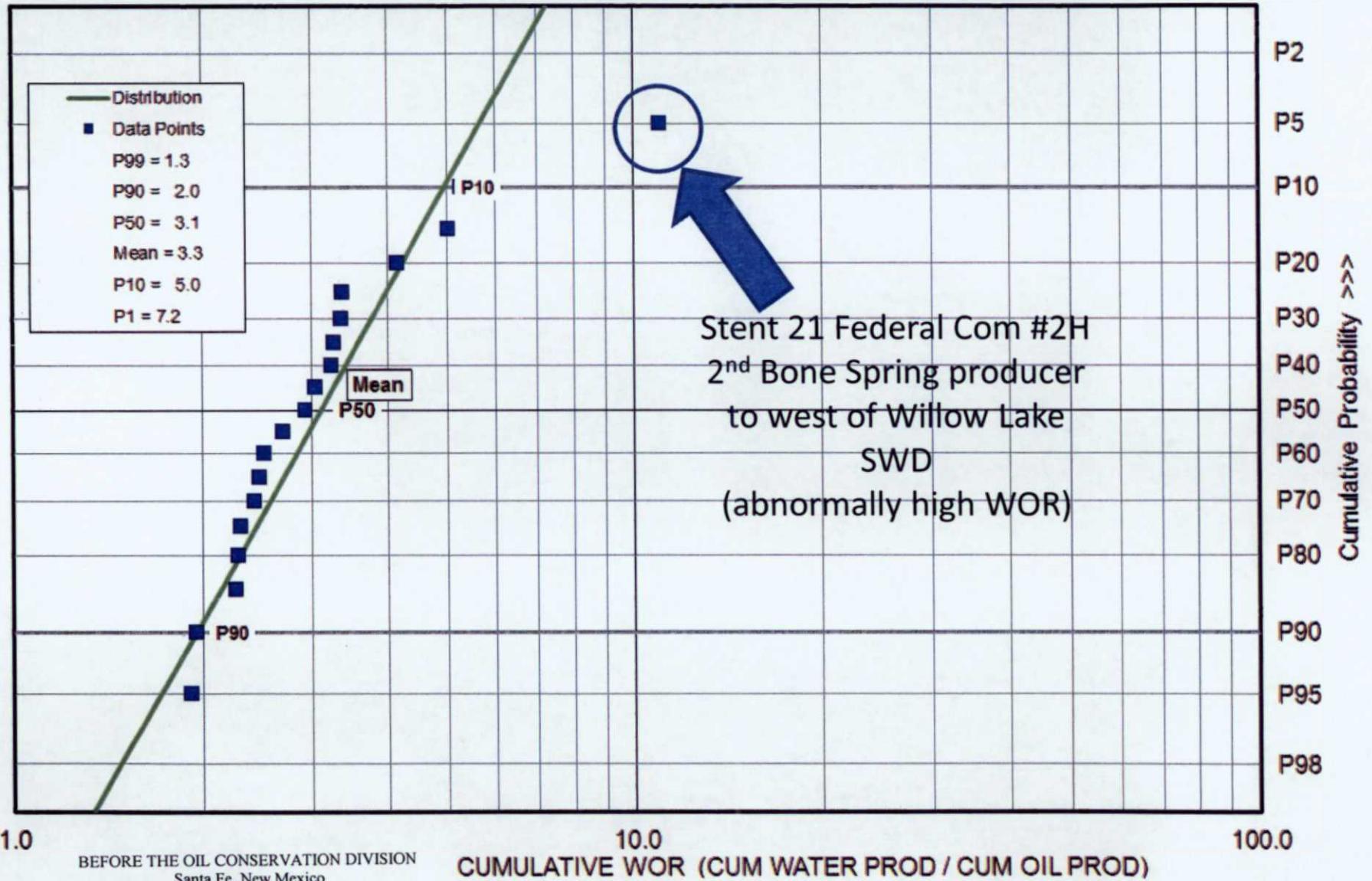
BONE SPRINGS HORIZONTAL PRODUCTION PERFORMANCE COMPARISON

2ND BONE SPRINGS COMPLETIONS IN 24S, 27E - 29E

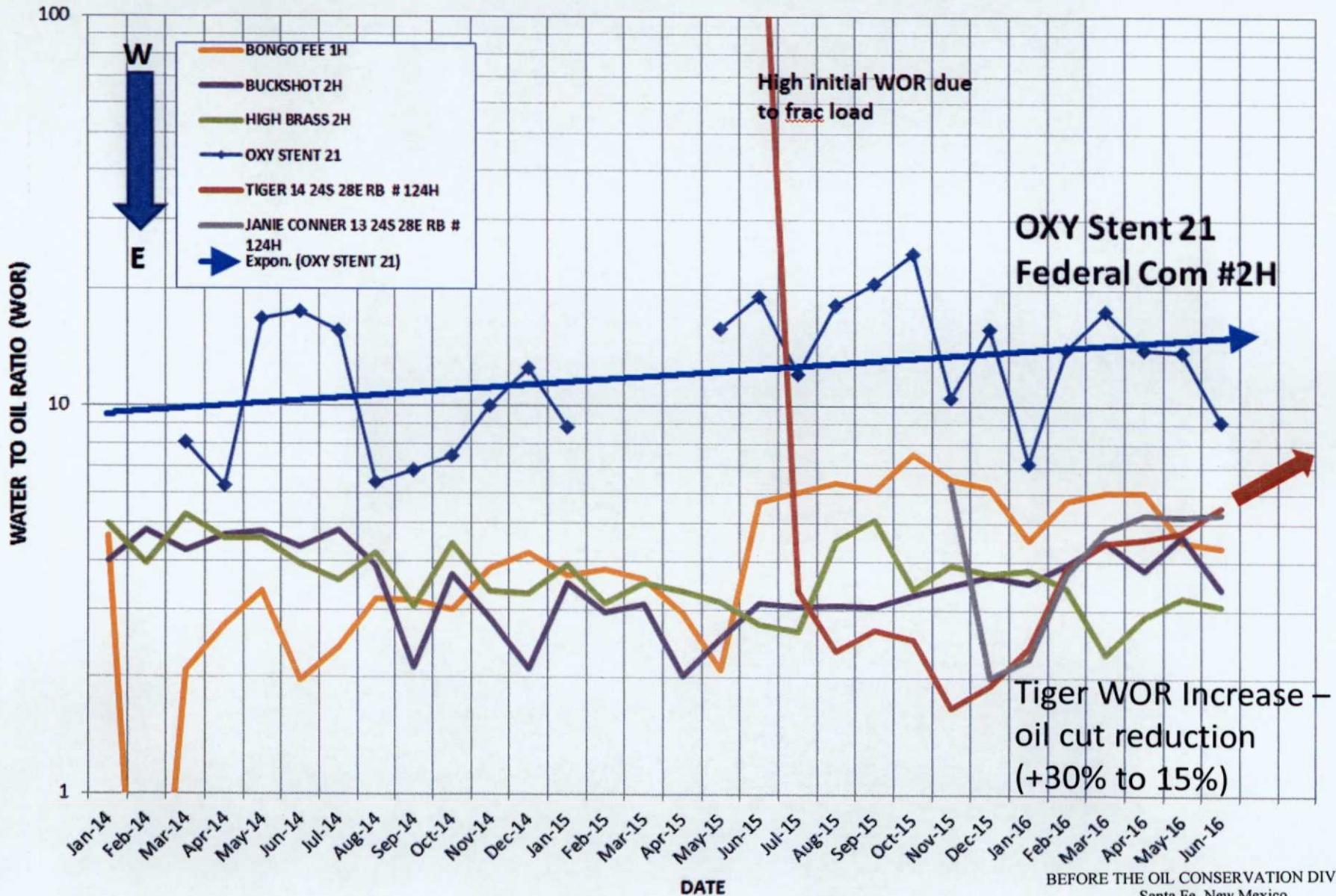


2ND BONE SPRINGS HZ WATER PRODUCTION PERFORMANCE COMPARISON

2ND BONE SPRING PRODUCERS 24S, 28E

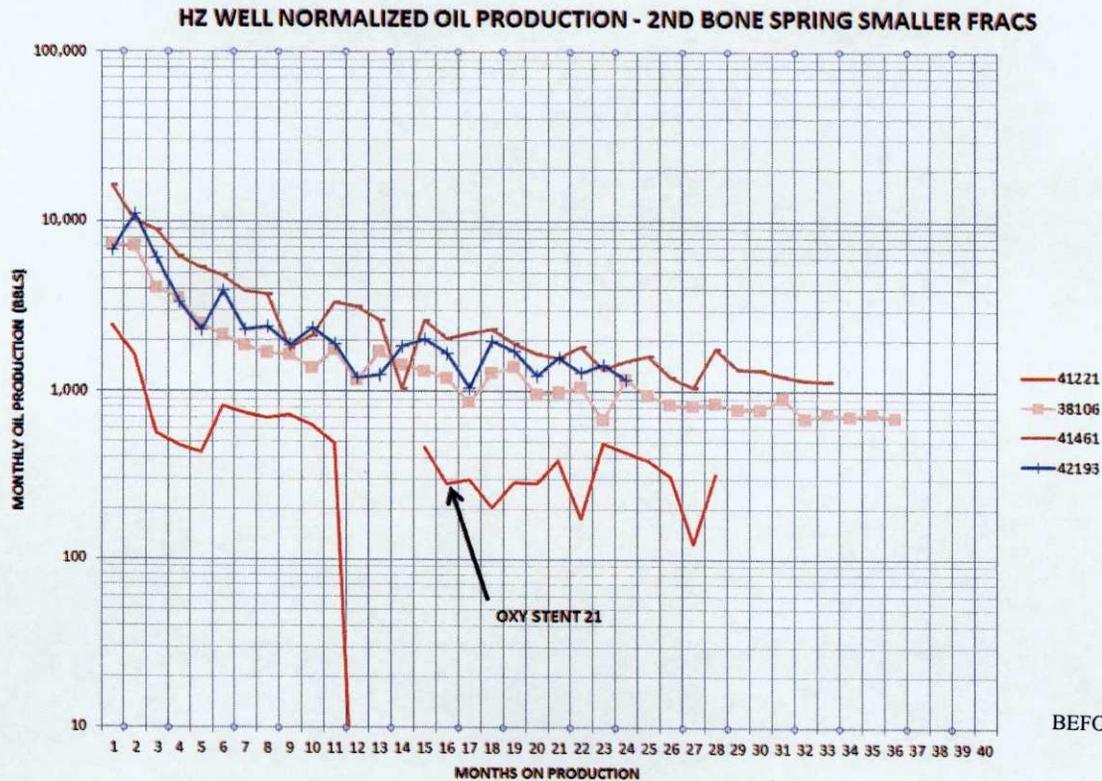


2ND BONE SPRINGS PRODUCERS - WATER TO OIL RATIO (WOR) VS TIME



SECOND BONE SPRING FORMATION COMPLETION COMPARISON

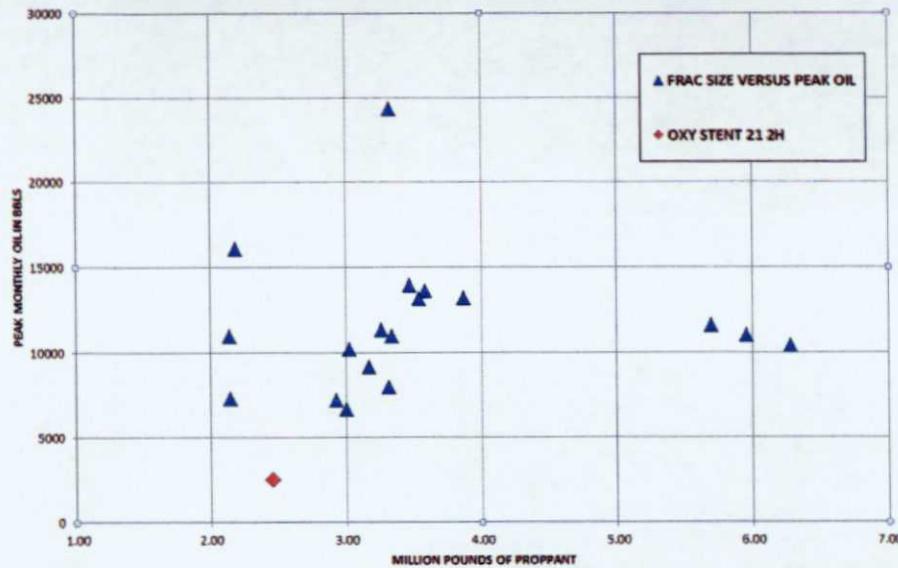
GROUPING	WELL COUNT	TOTAL PROPPANT PUMPED (MM#)	TOTAL FLUID PUMPED BBLs	COMPLETED LATERAL LENGTH (FT)
AVERAGE ALL WELLS (EXCLUDE STENT)	18	3.57	64,495	4,220
OXY STENT 21	1	2.46	35,035	4,180
AVERAGE SMALLER FRACS (EXCLUDE STENT)	3	2.15	34,390	3,955
OXY STENT 21	1	2.46	35,035	4,180



BEFORE THE OIL CONSERVATION DIVISION
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Exhibit No. 18
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MEWBOURNE OIL COMPANY
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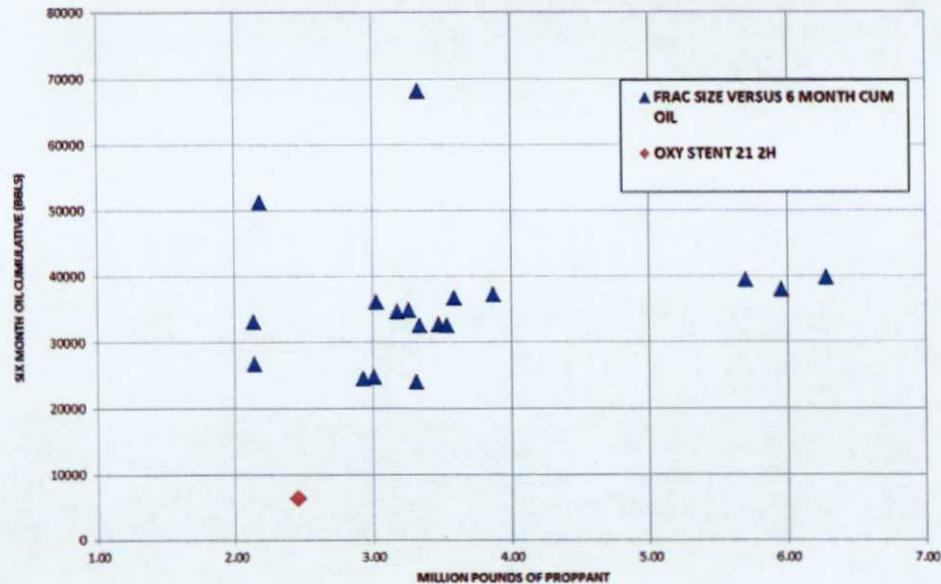
SECOND BONE SPRING FORMATION COMPLETION COMPARISON

2ND BONE SPRINGS STUDY AREA - FRAC SIZE VS PEAK MONTHLY OIL



Stent has lowest peak monthly oil

2ND BONE SPRINGS STUDY AREA - FRAC SIZE VS 6 MONTH CUM OIL

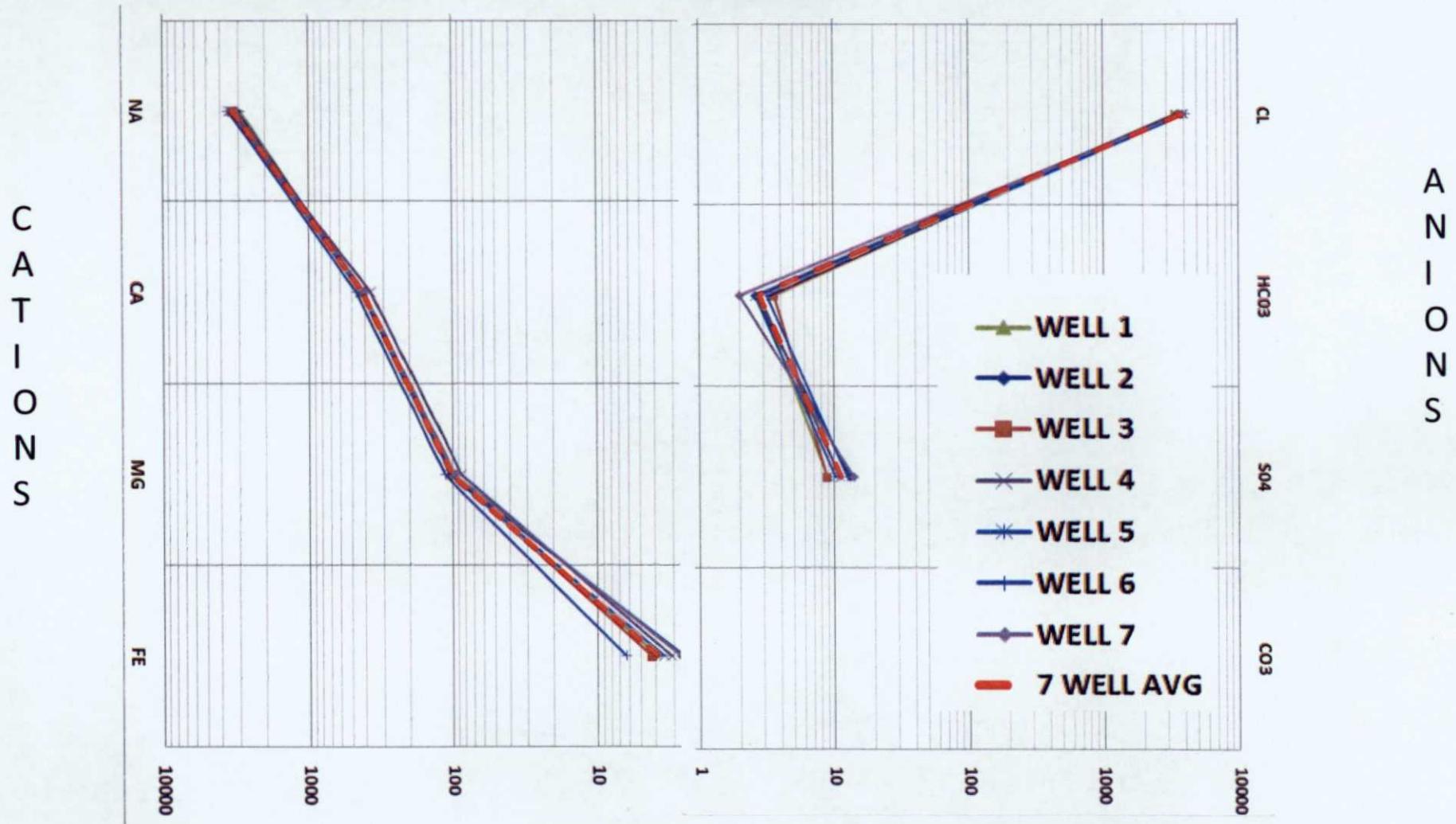


Stent has lowest 6 month cumulative oil

2ND BONE SPRING SAND WATER COMPOSITION STUDY

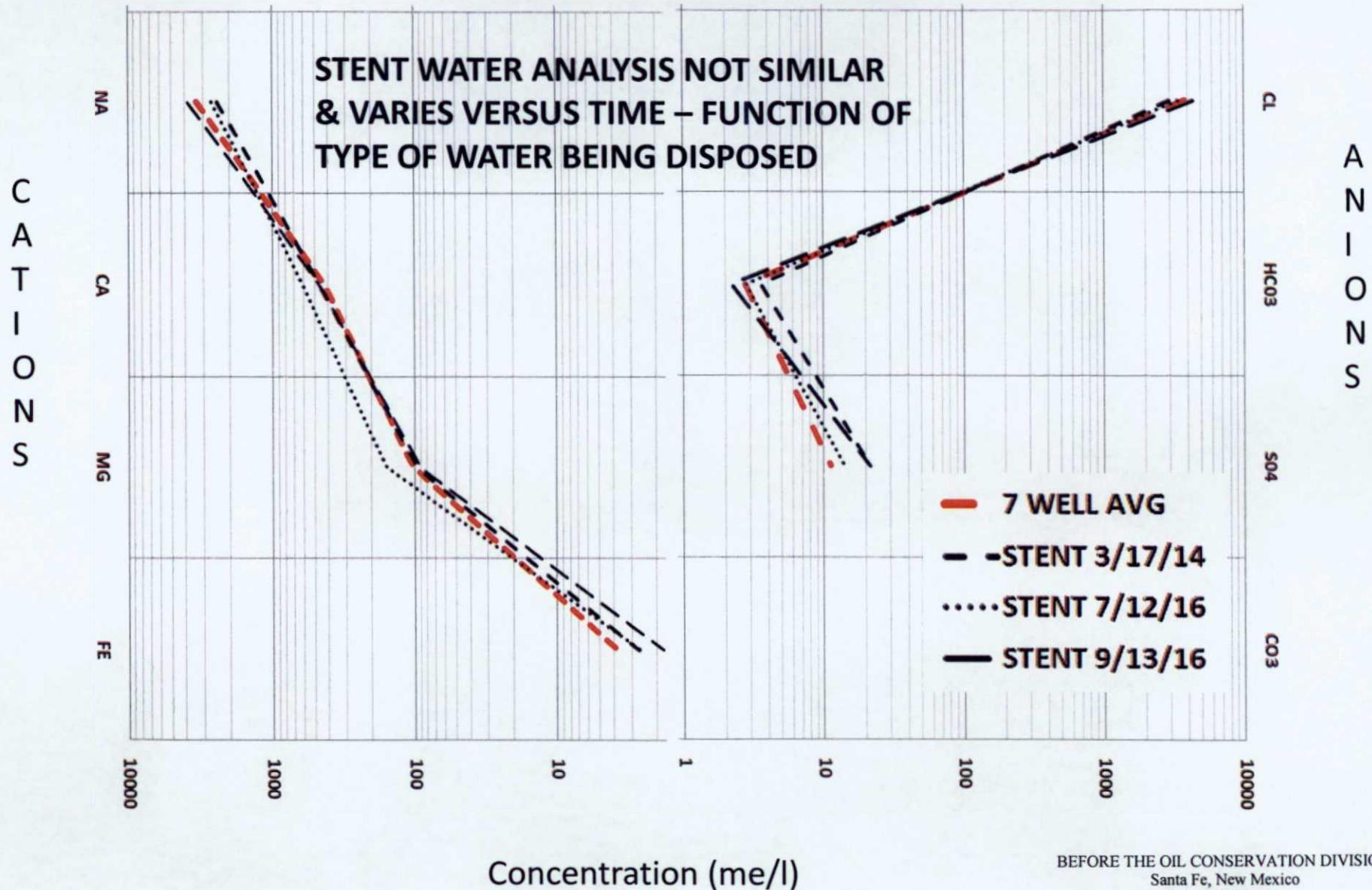
- Water samples taken from 6 Mewbourne & 2 OXY operated 2nd Bone Spring producers
- All samples caught & analyzed by NALCO at their laboratory
- No water samples were taken from recently completed wells

SECOND BONE SPRING SAND WATER ANALYSIS STUDY – STIFF PLOT 7 WELLS

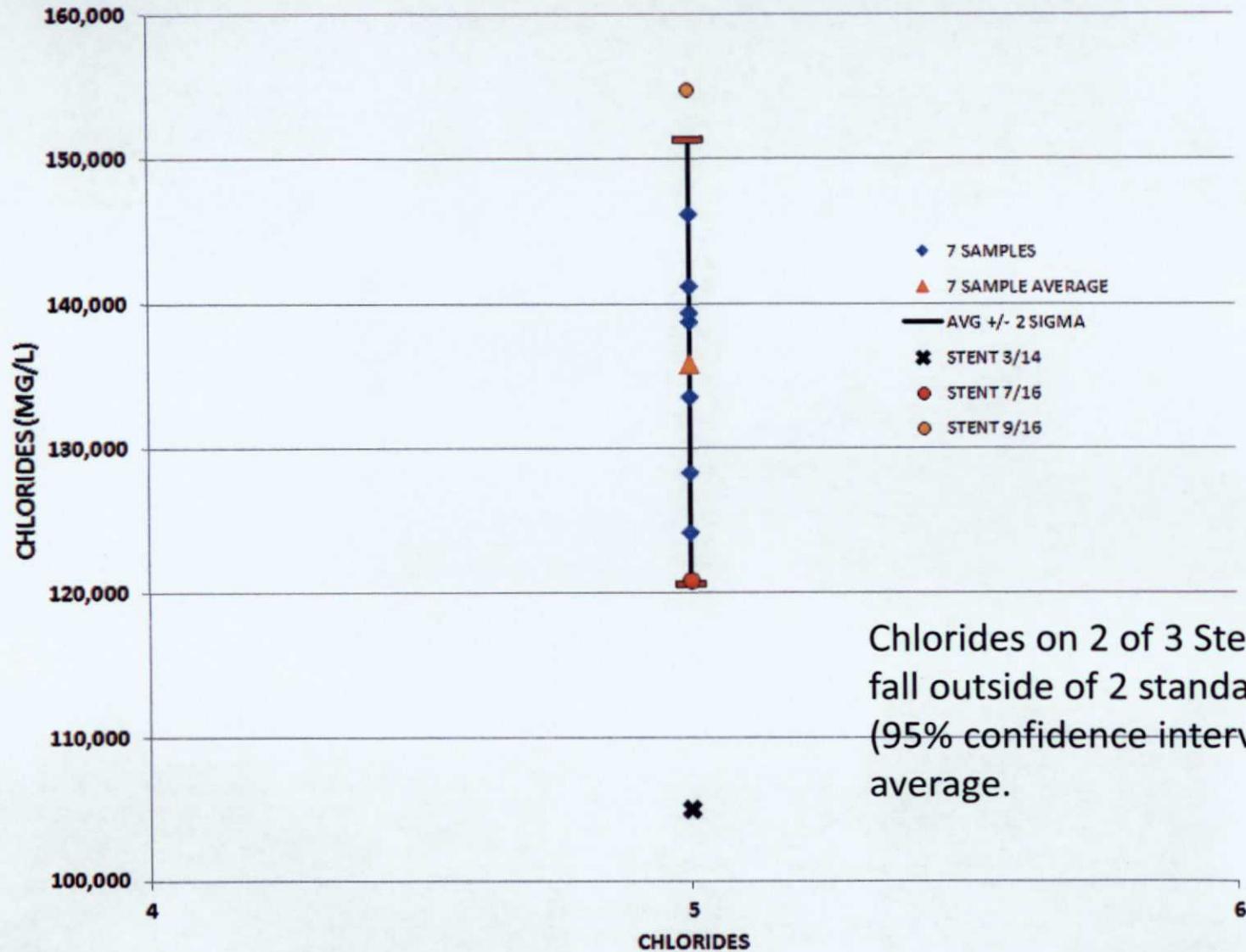


BEFORE THE OIL CONSERVATION DIVISION
 Santa Fe, New Mexico
 Exhibit No. 22
 Submitted by:
MEWBOURNE OIL COMPANY
 Hearing Date: September 29, 2016

SECOND BONE SPRING SAND WATER ANALYSIS STUDY – STIFF PLOT STENT VS 7 WELL AVERAGE

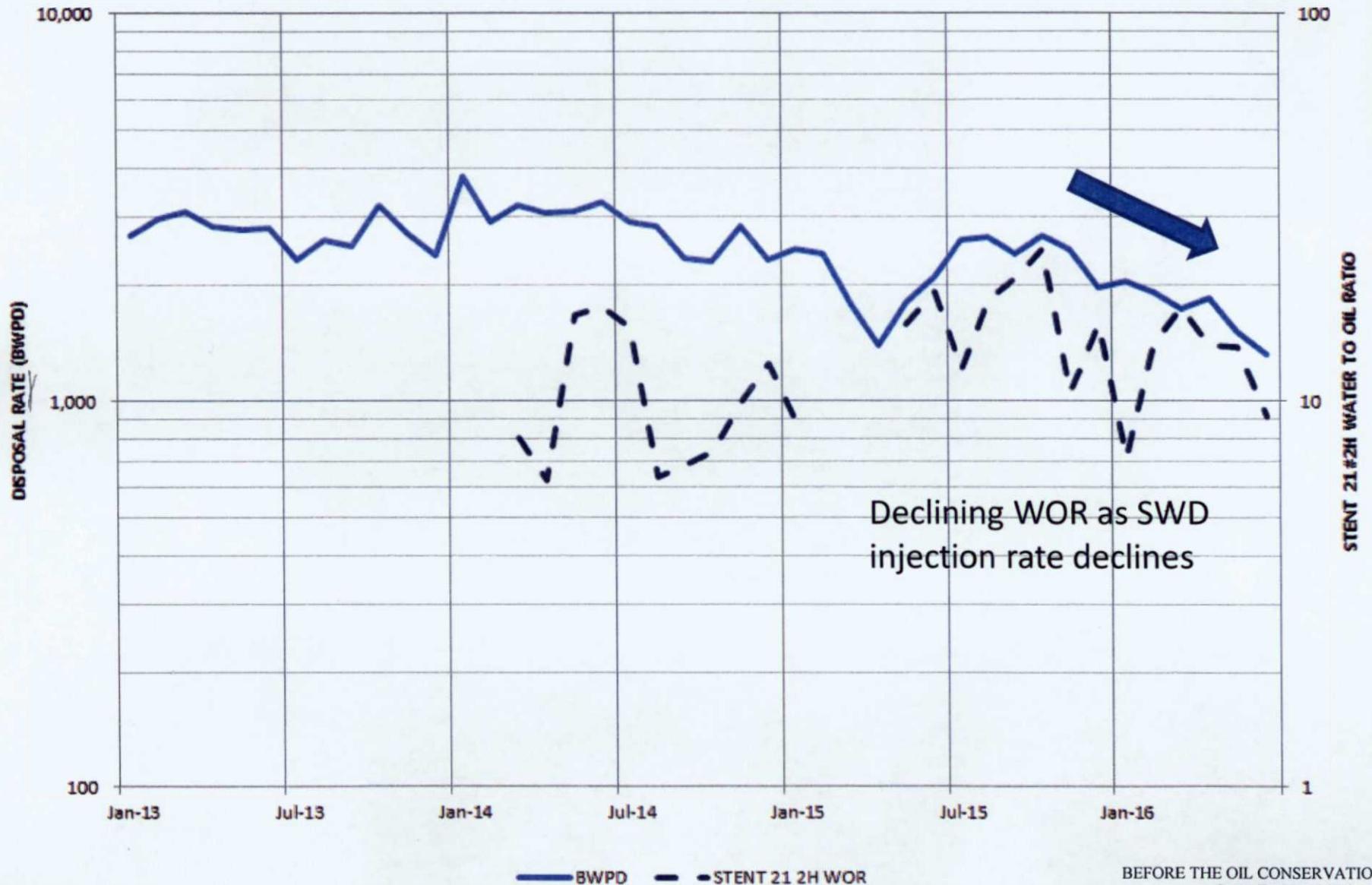


SECOND BONE SPRING SAND WATER ANALYSIS STUDY – CHLORIDES



Chlorides on 2 of 3 Stent samples fall outside of 2 standard deviations (95% confidence interval) of average.

PYOTE WILLOW LAKE SWD - INJECTION RATE VERSUS STENT 21 WOR



Declining WOR as SWD injection rate declines