

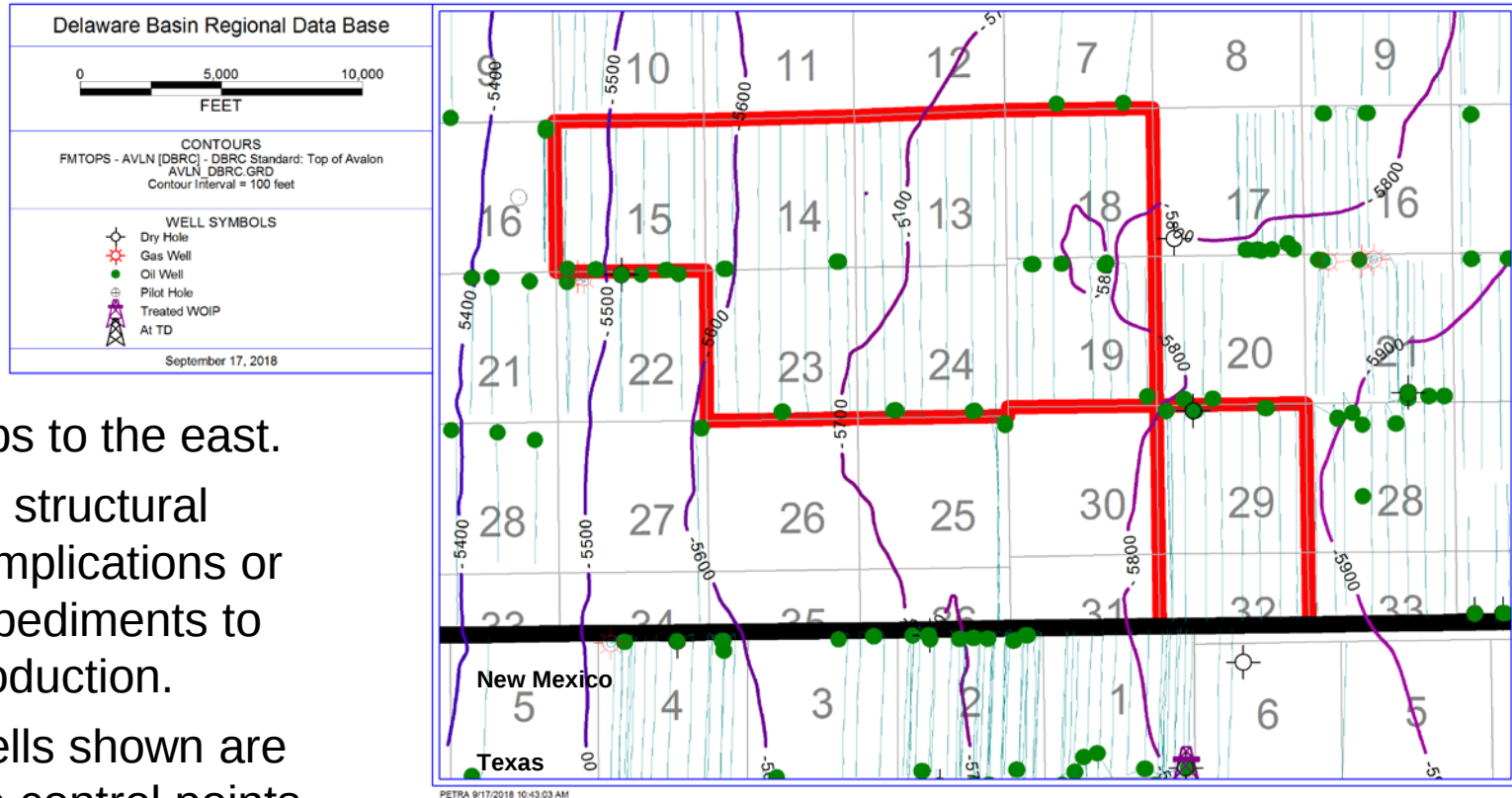


human energy®

Salado Draw Sections 29 & 32, T26S, R33E, Lea County

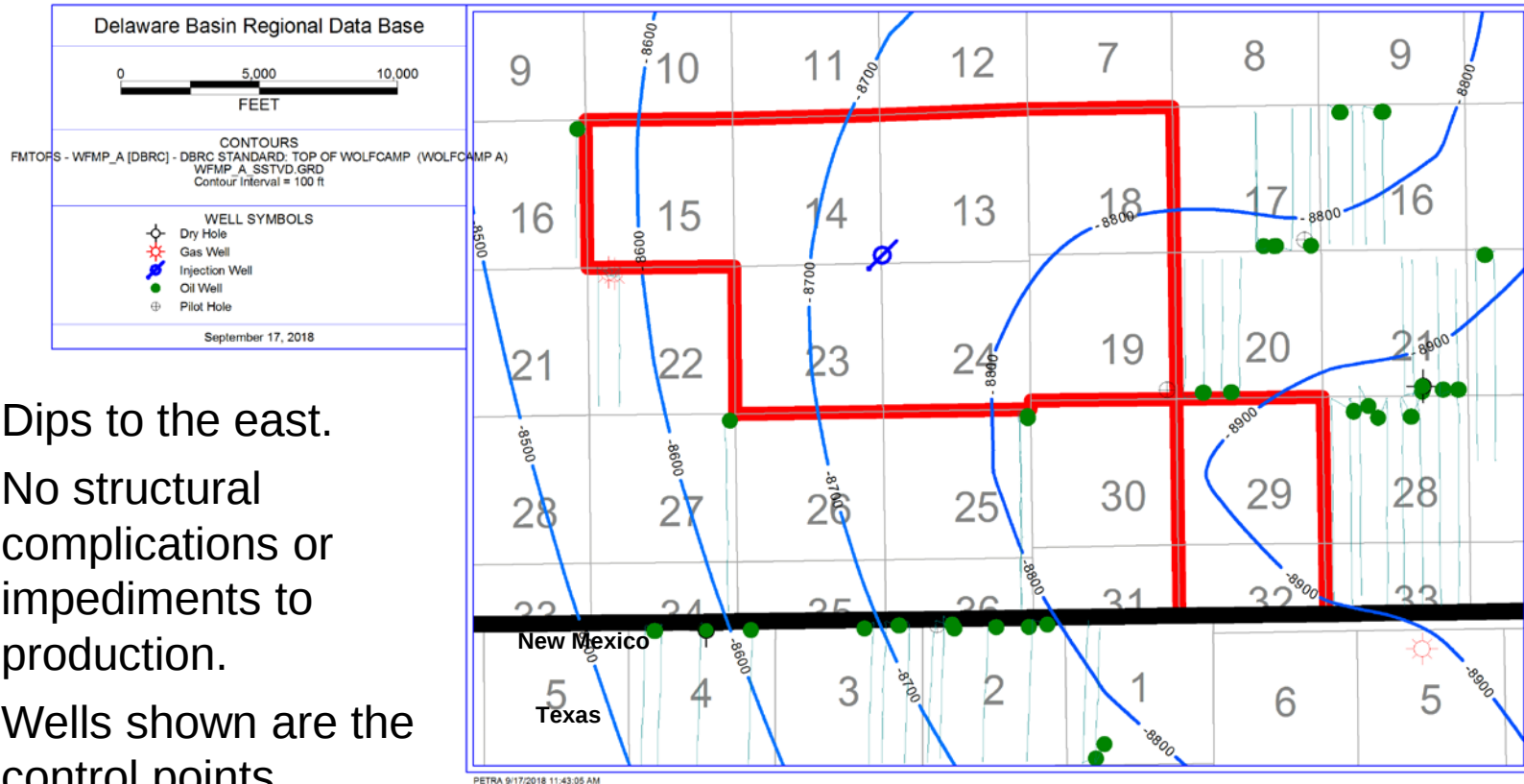
Supplement Document

Top Avalon Structure Map



- Dips to the east.
- No structural complications or impediments to production.
- Wells shown are the control points.

Top Wolfcamp Structure Map

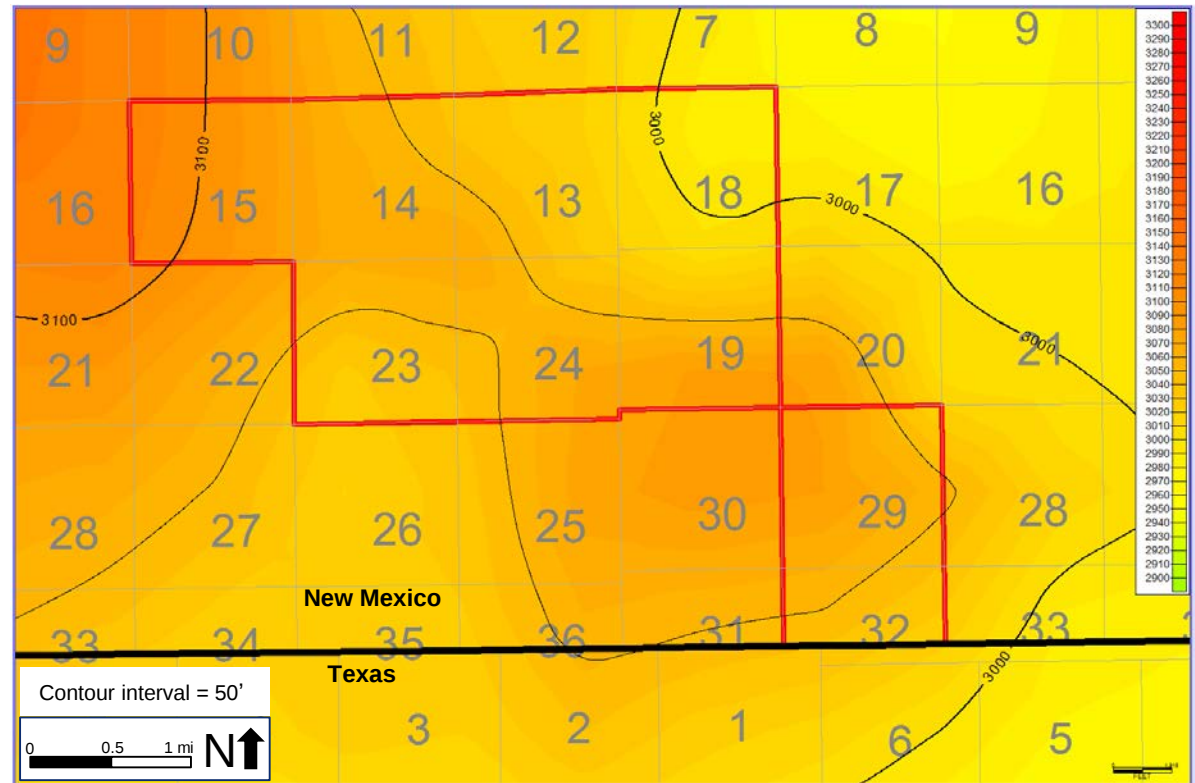


- Dips to the east.
- No structural complications or impediments to production.
- Wells shown are the control points.



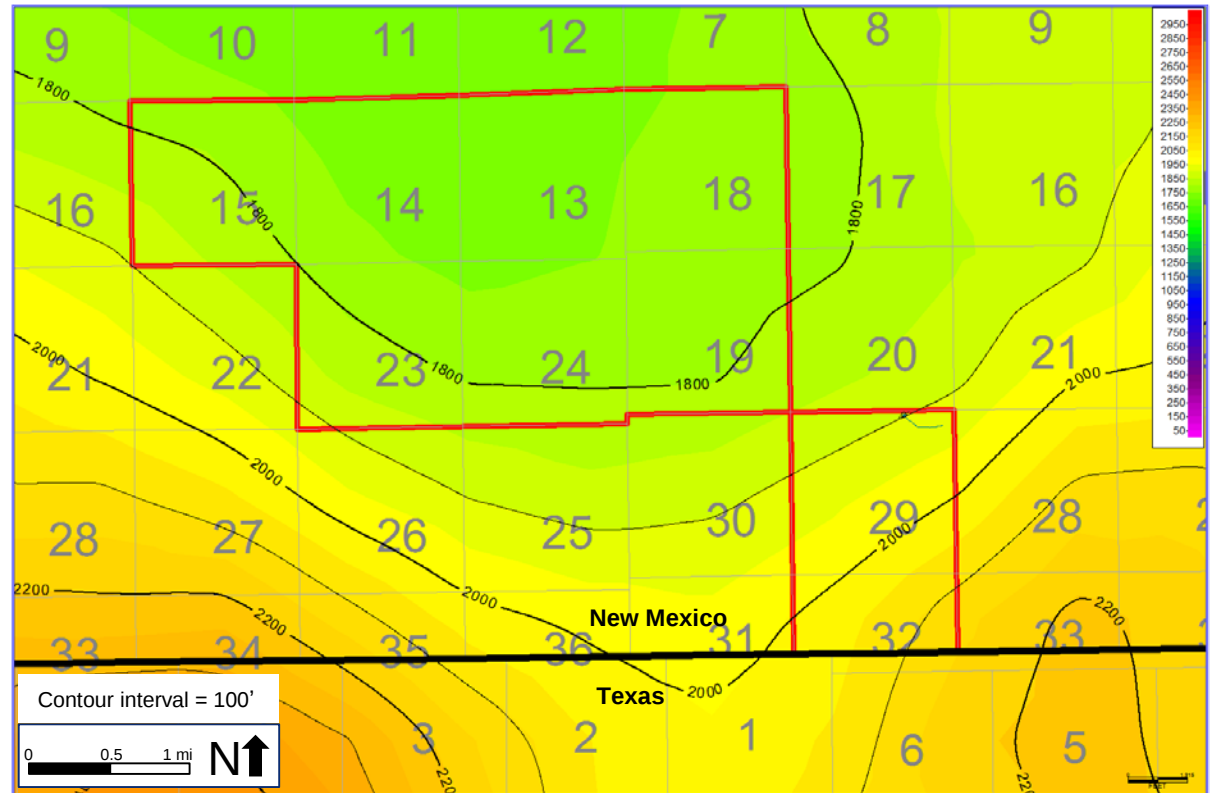
Gross Isopach Thickness of the Bone Spring

- Thickness in the Bone Springs ranges from 2990' to 3110', generally increasing to the northwest.
- No stratigraphic complexities or impediments to production.



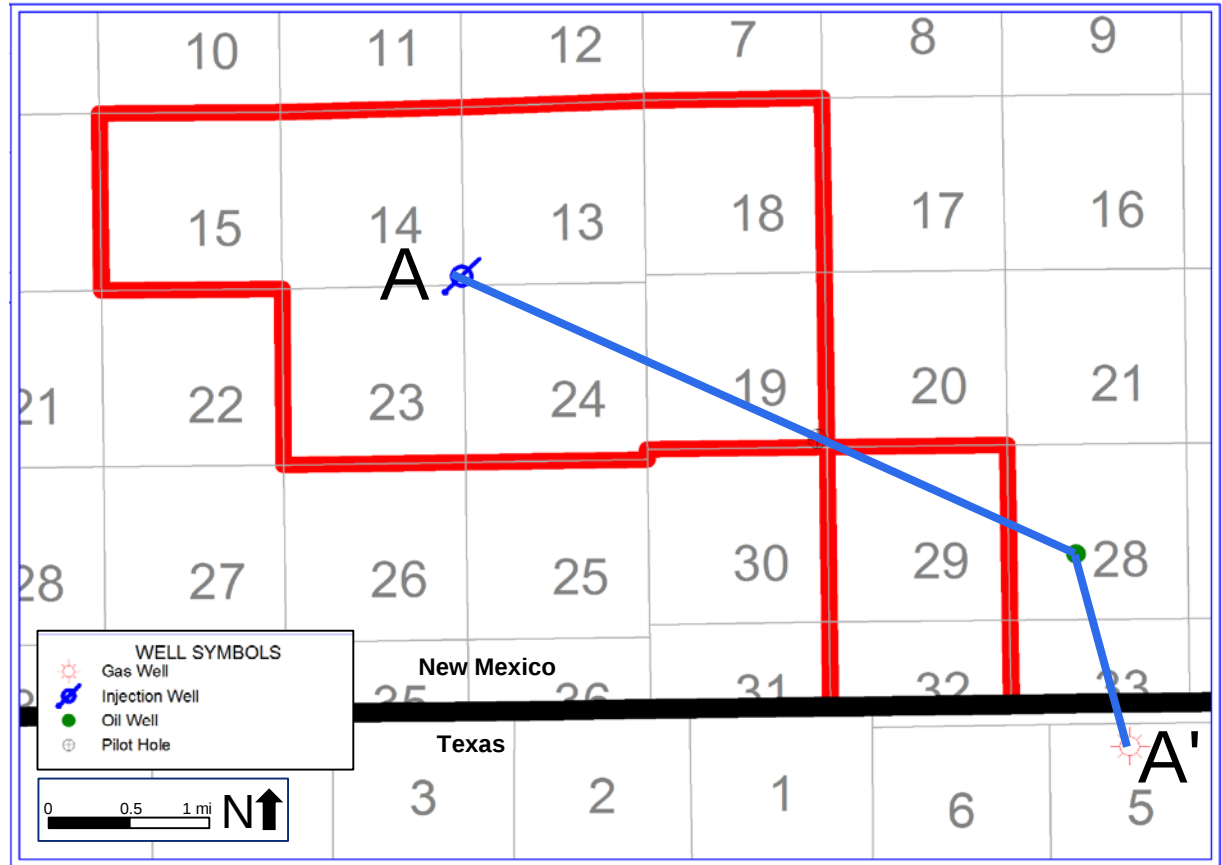
Gross Isopach Thickness of the Wolfcamp

- Thickness in the Wolfcamp ranges from 1720' to 2160', generally increasing to the south.
- No stratigraphic complexities or impediments to production.



Cross Section Location Map

- All cross-sections in this presentation use the same 4 wells and only vary the depths displayed



PETRA 8/29/2018 2:42:05 PM



Cross Section of Bone Spring

A

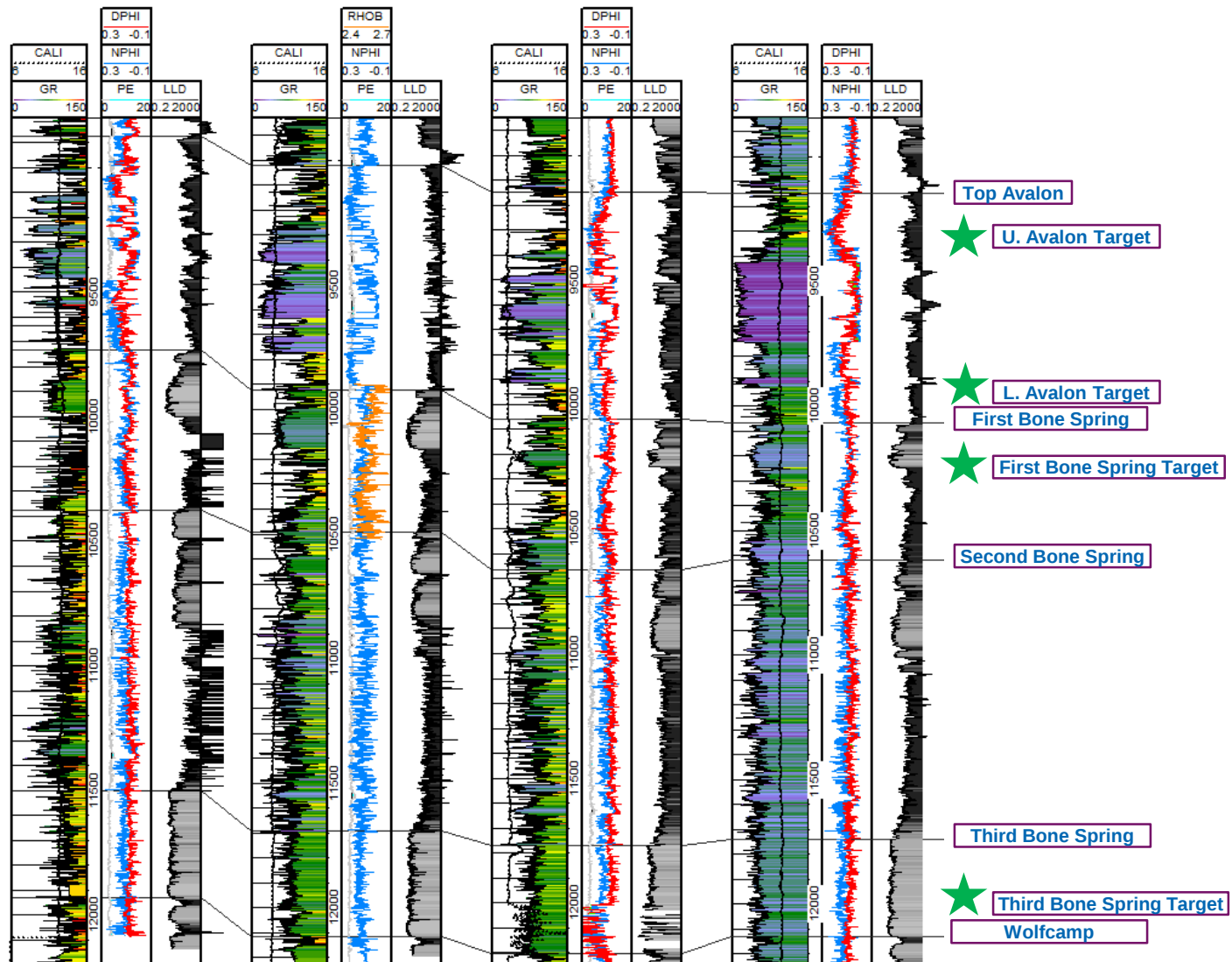
SALADO DRAW SWD 13
1
30025423540000
3,199

PORTER BROWN
1
30025408020000
3,228

RATTLESNAKE FEDERAL
1
30025330620000
3,248

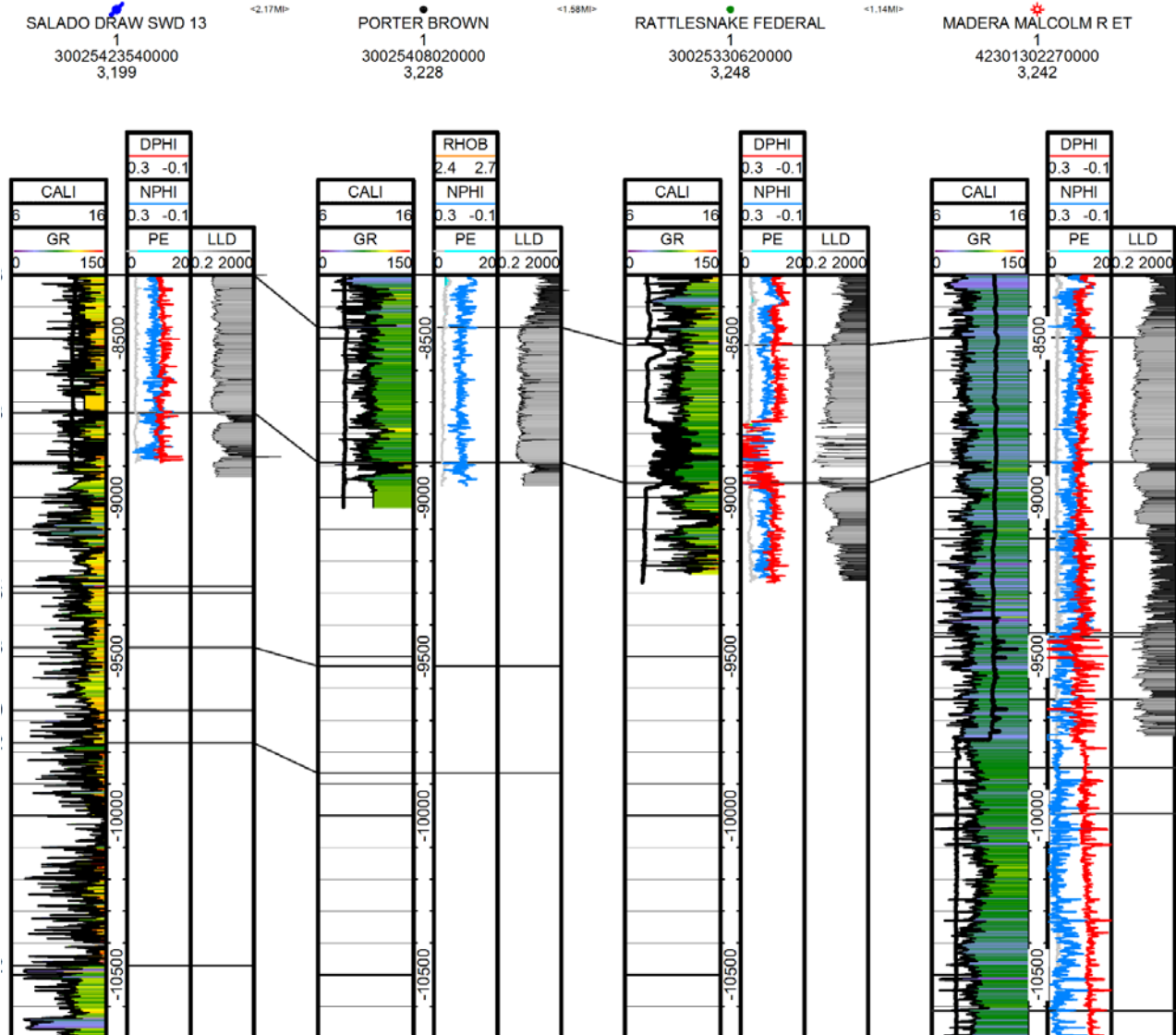
MADERA MALCOLM R ET
1
42301302270000
3,242

A'



Cross Section of Wolfcamp

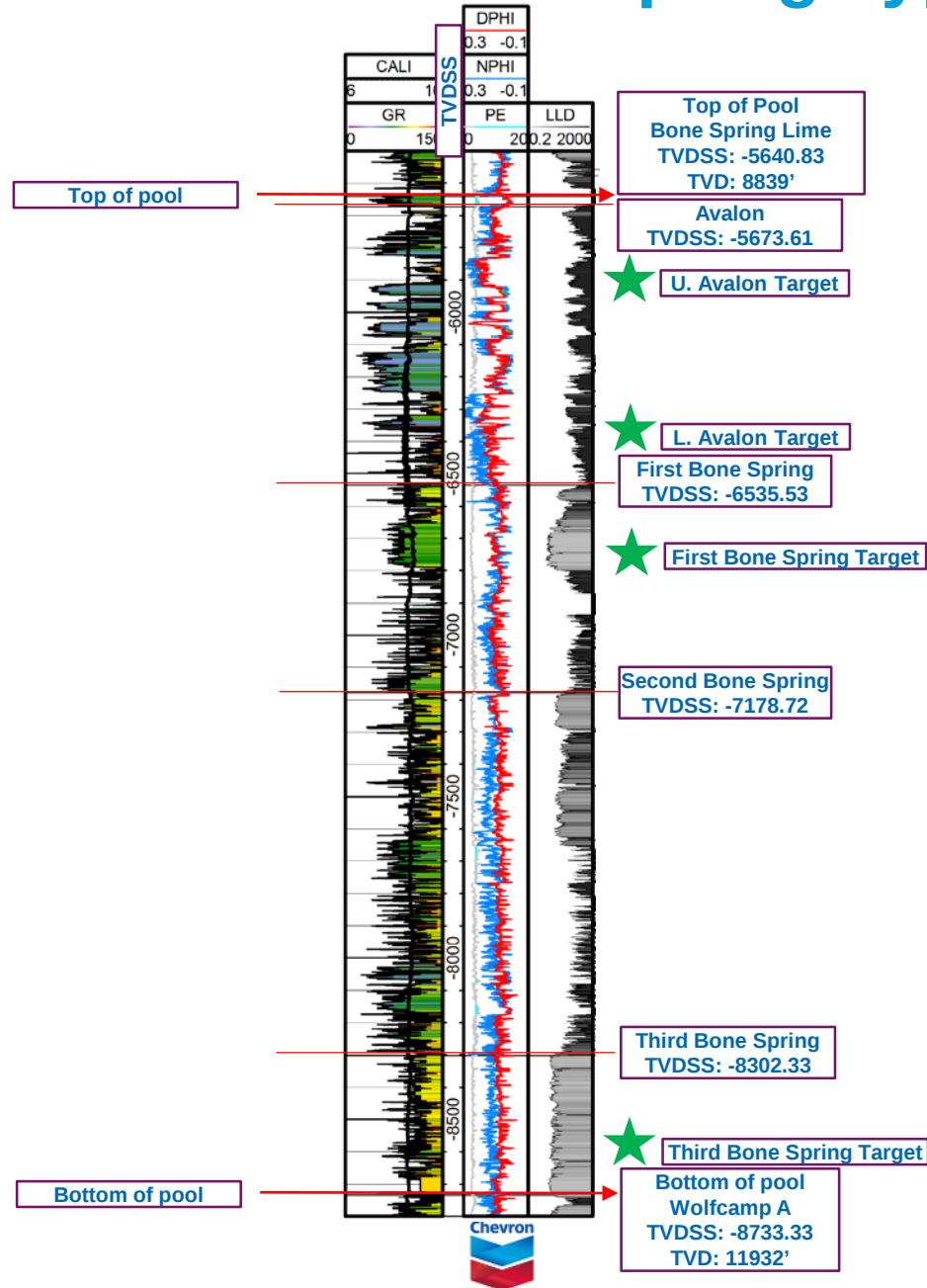
A



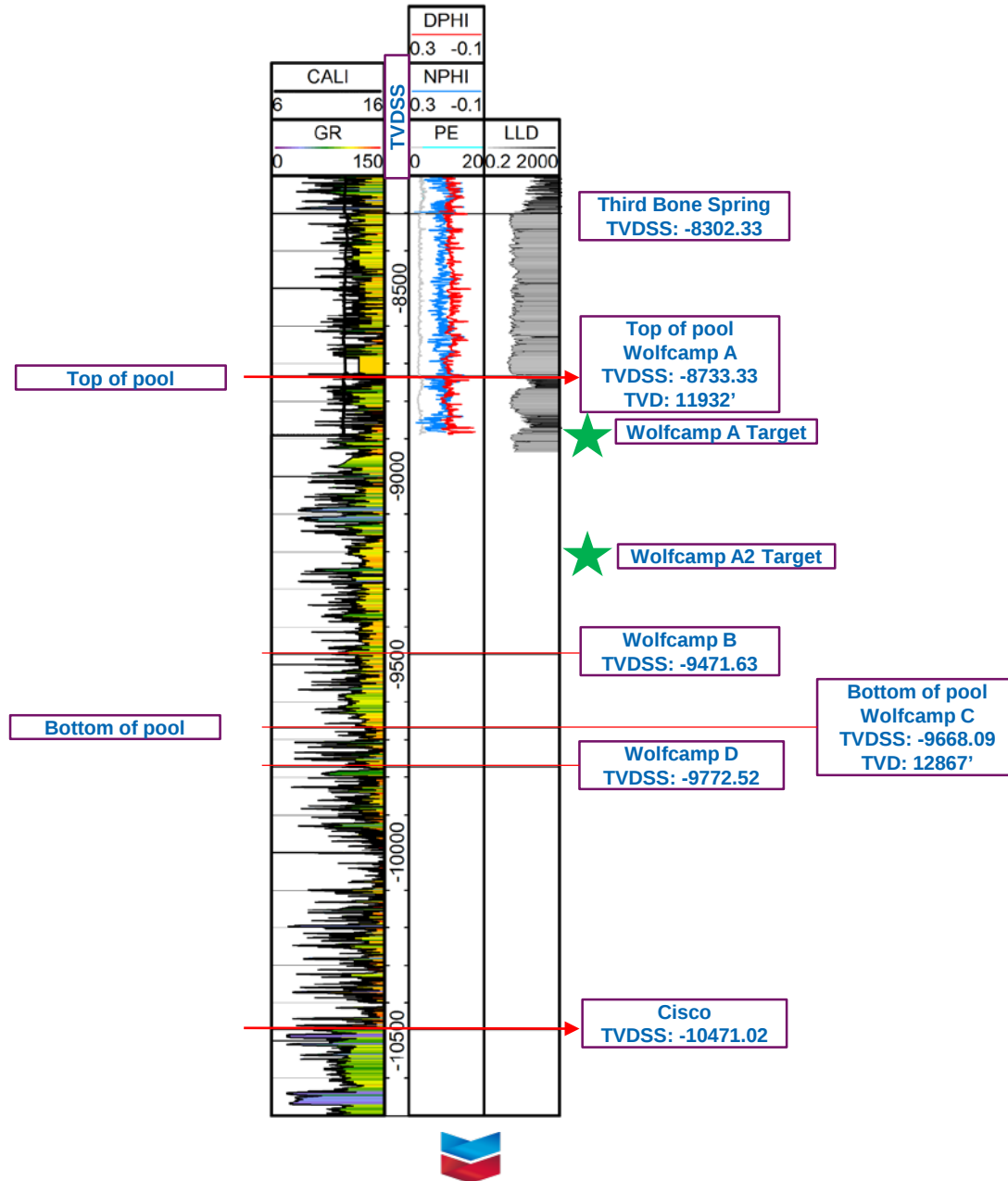
A'



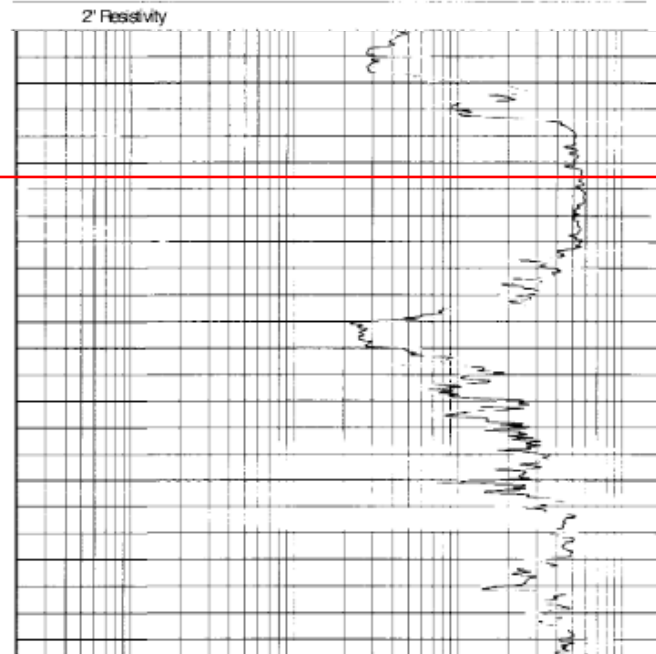
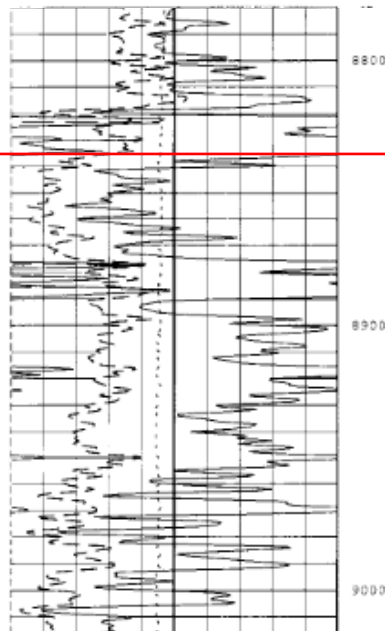
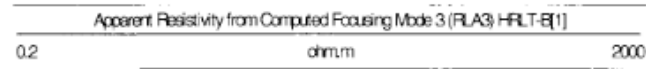
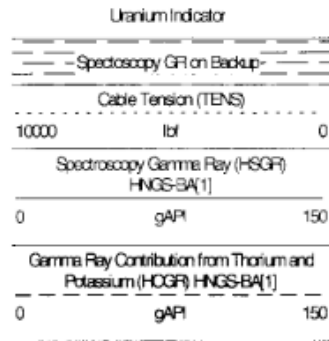
Salado SWD 13 Bone Spring Type Well



Salado SWD 13 Wolfcamp Type Well



Salado SWD 13 Third Bone Spring Type Well

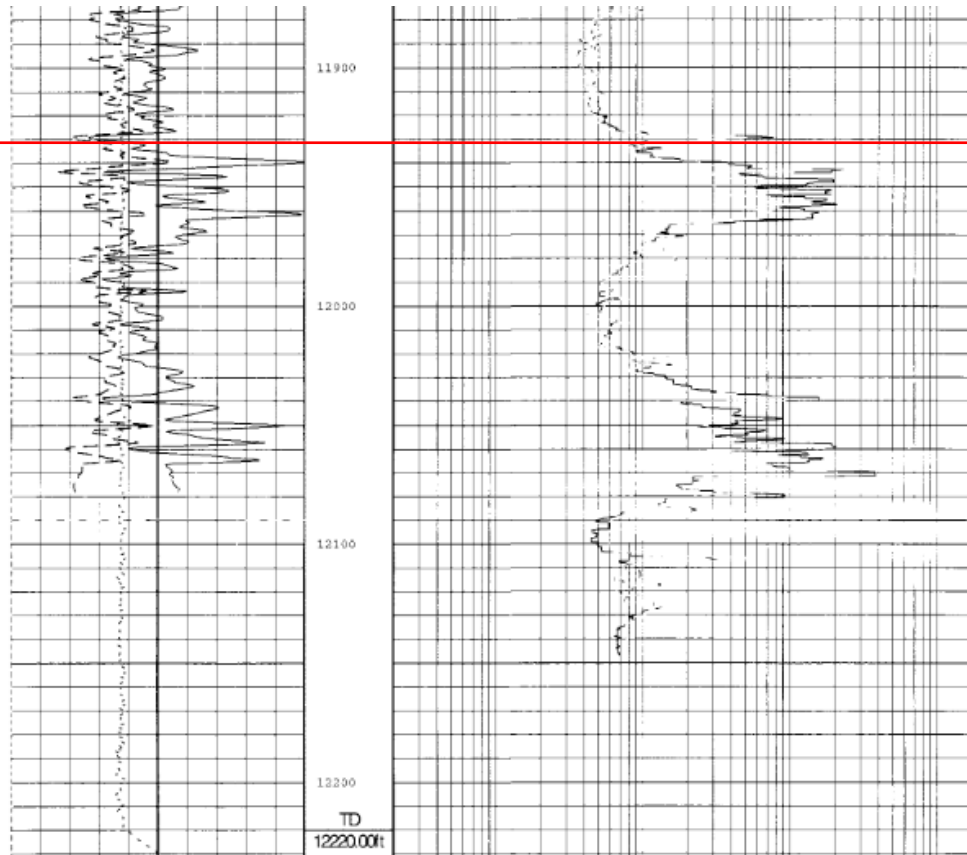


Top of Pool
Bone Spring Lime
TVDSS: -5640.83
TVD: 8839'



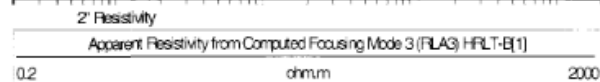
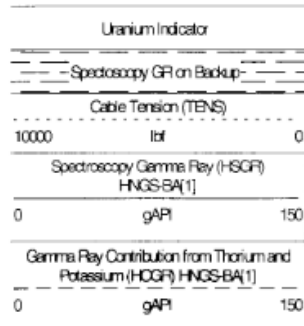
Salado SWD 13 Third Bone Spring and Wolfcamp Type Well

Bottom of Bone
Spring pool
Wolfcamp A
TVDSS: -8733.33
TVD: 11932'



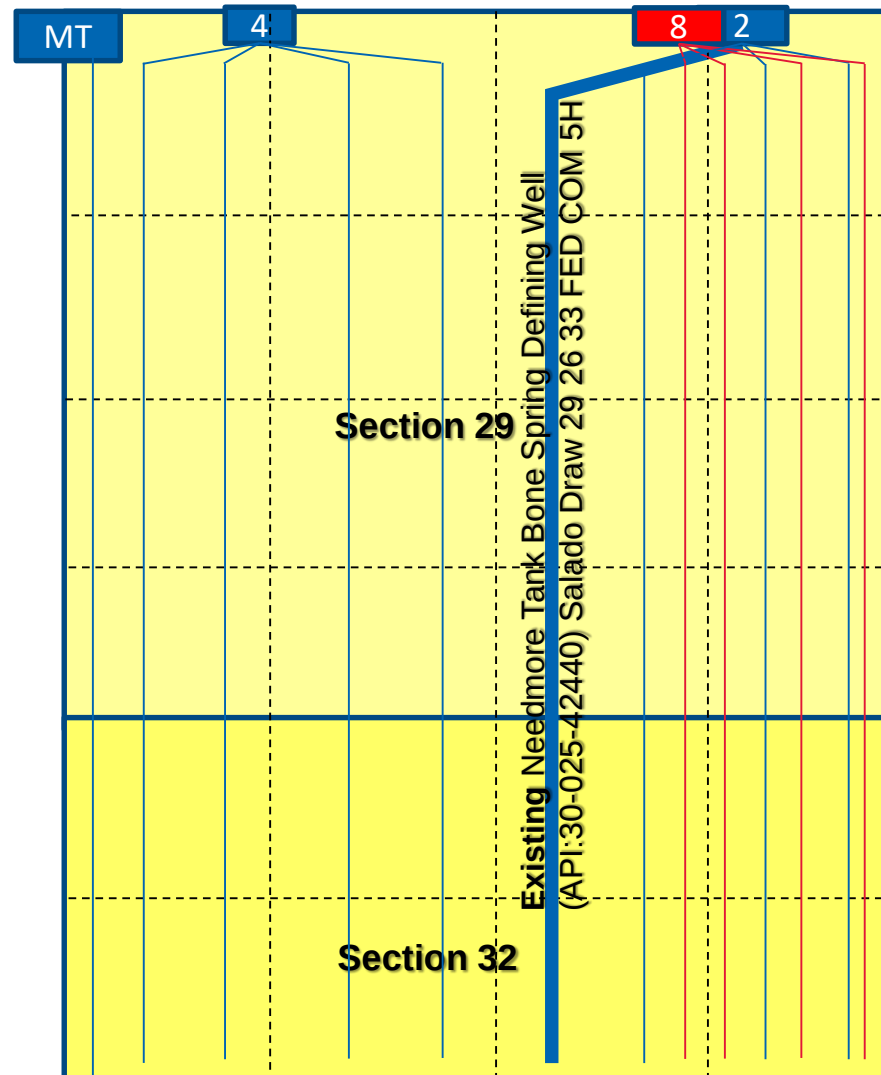
Top of Wolfcamp
pool
Wolfcamp A
TVDSS: -8733.33
TVD: 11932'

Log run does not go
down far enough to
capture the base of
the Wolfcamp pool



Existing Needmore Tank Bone Spring Defining Well

- Existing Bone Spring Pads 
- Existing Wolfcamp Pad 
- Existing Bone Spring Defining Well (API:30-025-42440)
Salado Draw 29 26 33 FED COM 5H 



*Note: Not to scale



C-102

Bone Spring

Defining Well

District I
1623 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6167 Fax: (575) 393-6720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1383 Fax: (575) 748-9728
District III
1000 Rio Brazos Road, Amar, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-025-42440		2 Pool Code 97955		3 Pool Name WC-025 G 06 9263319P; BONE SPRING	
4 Property Code 314194		5 Property Name SALADO DRAW 29 26 33 FED COM			6 Well Number 5H
7 OGRID No 4323		8 Operator Name CHEVRON U.S.A. INC.			9 Elevation 3247'

10 Surface Location

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	26 SOUTH	33 EAST, N.M.P.M.		136'	NORTH	1457'	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	32	26 SOUTH	33 EAST, N.M.P.M.		280'	SOUTH	2312'	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No
474.85			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SALADO DRAW 29 26 33 FED COM NO. 9H WELL X= 729,365 NAD 27 Y= 372,254 LAT. 32.021261 LONG. 103.589978 X= 771,573 NAD83 Y= 372,311 LAT. 32.021386 LONG. 103.589446 ELEVATION = 3247' NAVD 83	PROPOSED BOTTOM HOLE LOCATION X= 728,507 NAD 27 Y= 364,836 LAT. 32.000887 LONG. 103.582726 X= 770,775 NAD83 Y= 364,893 LAT. 32.001012 LONG. 103.583185	Proposed First Take Point 330' FNL, 2312' FEL Proposed Last Take Point 330' FSL, 2312' FEL LEA COUNTY, NM LOVING COUNTY, TX	11 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete as the best of my knowledge and belief, and that this organization either owns or working interest or undivided interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or as a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Cindy Herrera-Murillo</i> 5-5-16 Signature Date Cindy Herrera-Murillo Printed Name cherrermurillo@chevron.com E-mail Address 12 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 02-20-2015 Date of Survey <i>Robert C. Laster</i> Signature and Seal of Professional Surveyor 23006 Certificate Number
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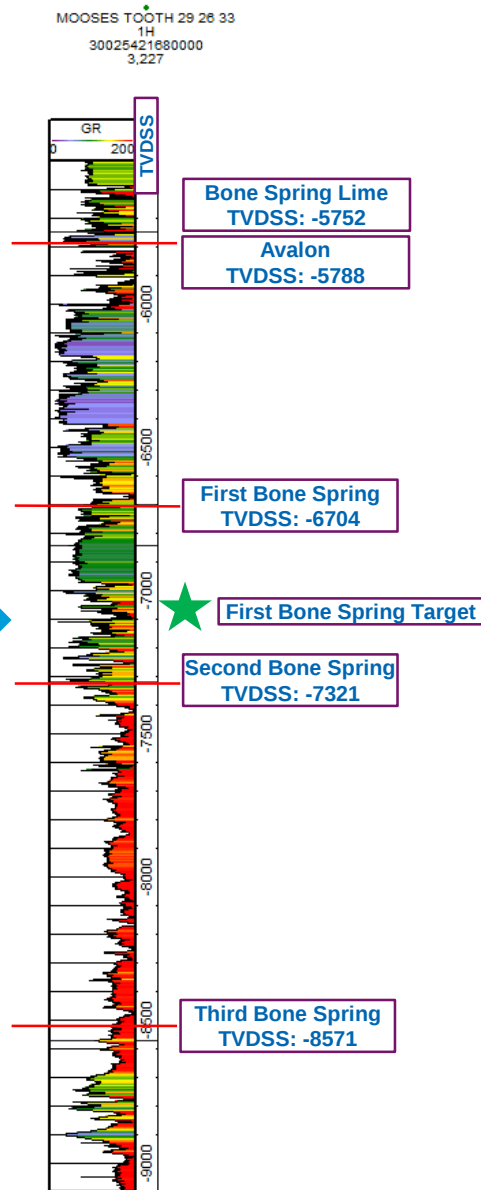
CORNER COORDINATES TABLE (NAD 27)

A - Y=372362.09, X=729197.59
B - Y=372390.91, X=730519.68
C - Y=371062.70, X=729207.78
D - Y=371072.13, X=730529.72
E - Y=364553.89, X=728259.12
F - Y=364583.17, X=730579.96

Needmore Tank Bone Spring Discovery Well GR Log

Mooses Tooth 29 26 33 1H
30-025-42168

Top perf: 10,334' TVD
10,583' MD

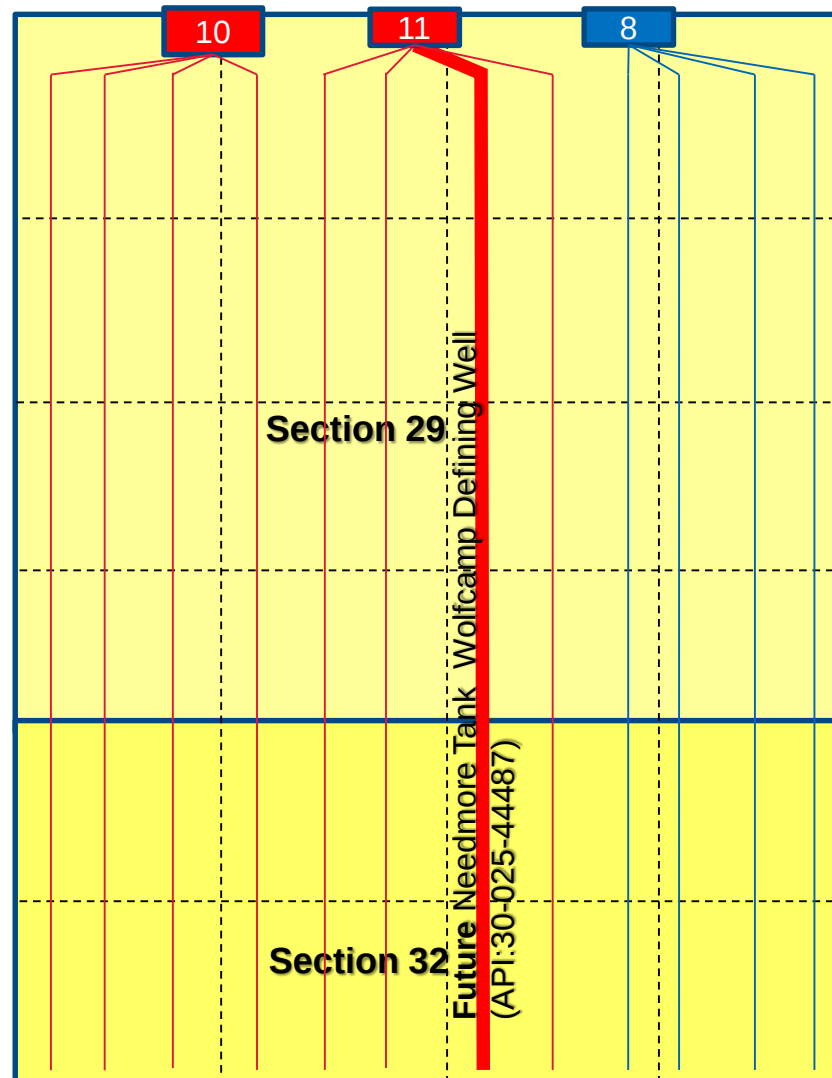


Future Needmore Tank Wolfcamp Defining Well

Existing
Wolfcamp Pad 

Future
Wolfcamp Pads 

Future Wolfcamp
Defining Well 
(API:30-025-44487)



*Note: Not to scale



C-102

Wolfcamp

Defining Well

District I
 1425 N. French Dr., Hobbs, NM 88240
 Phone (505) 393-6161 Fax (505) 393-0729
 District II
 811 S. First St., Artesia, NM 88210
 Phone (505) 748-1283 Fax (505) 748-1284
 District III
 1000 Rio Pecos Road, Artesia, NM 87413
 Phone (505) 334-6178 Fax (505) 334-6170
 District IV
 1220 S. St. Francis Dr., Santa Fe, NM 87505
 Phone (505) 476-3460 Fax (505) 476-3462

FEB 15 2010
 RECEIVED

State of New Mexico
 Energy, Minerals & Natural Resources Department
 OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

Form C-102
 Revised August 1, 2011
 Submit one copy to appropriate
 District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-44487		Pool Code 98097	Pool Name SANDERS TANK WC02560982631276, UPPER WOLFCAMP
Property Code 320787	Property Name SD EA 29 32 FED COM P10		Well Number 1911
GRID No. 4323	Operator Name CHEVRON U.S.A. INC.		Elevation 3237

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	29	26 SOUTH	33 EAST, N.M.P.M.		120'	NORTH	2633'	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	32	26 SOUTH	33 EAST, N.M.P.M.		180'	SOUTH	2430'	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
237.41			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

SD EA 29 32 FED COM P10 NO. 194 WELL X= 729,209 NAD 27 Y= 372,282 LAT. 32.021307 LONG. 103.593774 X= 770,397 NAD83 Y= 372,319 LAT. 32.021432 LONG. 103.594240 ELEVATION +3237 NAVD 88	PROPOSED BOTTOM HOLE LOCATION X= 729,469 NAD 27 Y= 364,735 LAT. 32.000612 LONG. 103.593101 X= 770,657 NAD83 Y= 364,792 LAT. 32.000737 LONG. 103.593566		" OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Denise Pinkerton 06/07/2011 Signature Date Denise Pinkerton Printed Name Lepet@chevron.com E-mail Address
PROPOSED FIRST TAKE POINT X= 729,414 NAD 27 Y= 372,054 LAT. 32.020729 LONG. 103.593117 X= 770,602 NAD83 Y= 372,110 LAT. 32.020854 LONG. 103.593584	PROPOSED LAST TAKE POINT X= 729,468 NAD 27 Y= 364,885 LAT. 32.001024 LONG. 103.593101 X= 770,656 NAD83 Y= 364,942 LAT. 32.001150 LONG. 103.593566		"SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plot was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. 12-13-2016 Date of Survey Signature and Seal of Professional Surveyor 23006 6-5-2017 23906 Certificate Number

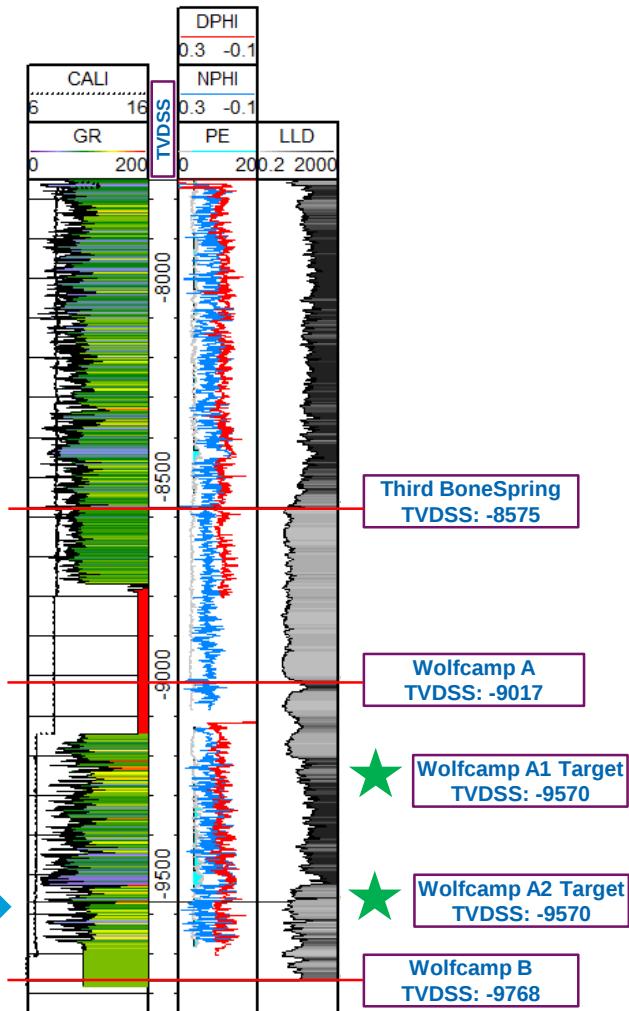
CORNER COORDINATES TABLE (NAD 27)

A - Y=372382.09, X=729197.59
 B - Y=372390.91, X=730519.68
 C - Y=364563.17, X=730579.96
 D - Y=364553.99, X=729259.12

Needmore Tank Wolfcamp Discovery Well Logs

SD EA 29 FEDERAL CO
012H
30025432710000
3,249

SD EA 29 P8 12H Pilot
API: 30-025-43271



Top perf: 12,703' TVD
12,935' MD

