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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 and Natural Resources Department

NM OIL CONSERVATION Form C-102
12, 2011

ARTESIA DISTRICT
Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FEB 10 2016

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-43614	Pool Code 15011	Pool Name Culebra Bluff; Bone Spring, South
Property Code 12521	Property Name LOVING AIB STATE	Well Number 18H
OGRID No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3041'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
C	16	23 S	28 E		333	NORTH	1875	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
N	16	23 S	28 E		330	SOUTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

N: 477527.9 E: 613075.1 (NAD83)	N: 477551.0 E: 614403.2 (NAD83)	N: 477574.1 E: 615731.2 (NAD83)	N: 477620.3 E: 618387.2 (NAD83)
1875'		3036.3'	
3034.9'		3040.3'	
3038.8'			
		SURFACE LOCATION Lot - N 32°18'42.28" Long - W 104°05'42.17" NMSPC - N 477227.3 E 614952.2 (NAD-83)	
		Penetration Point 809' FNL & 1889' FWL	
		Project Zone/ Dedicated Acres VO-3346	
		Production Zone	
		PROPOSED BOTTOM HOLE LOCATION Lot - N 32°17'55.95" Long - W 104°05'40.69" NMSPC - N 472545.2 E 615089.6 (NAD-83)	
N: 472199.9 E: 613112.5 (NAD83)	N: 472210.3 E: 614437.4 (NAD83)	N: 472220.5 E: 615763.1 (NAD83)	N: 472240.9 E: 618414.5 (NAD83)
1980'		330'	

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 unleased 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.

2/10/2016

Signature _____ Date _____

Rene P. Bela
Printed Name
rbela@yatespetroleum.com
Email Address

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.

Date Surveyed _____
Signature & Seal of Professional Surveyor _____

Certificate No. 7977
Bryan S. Jones

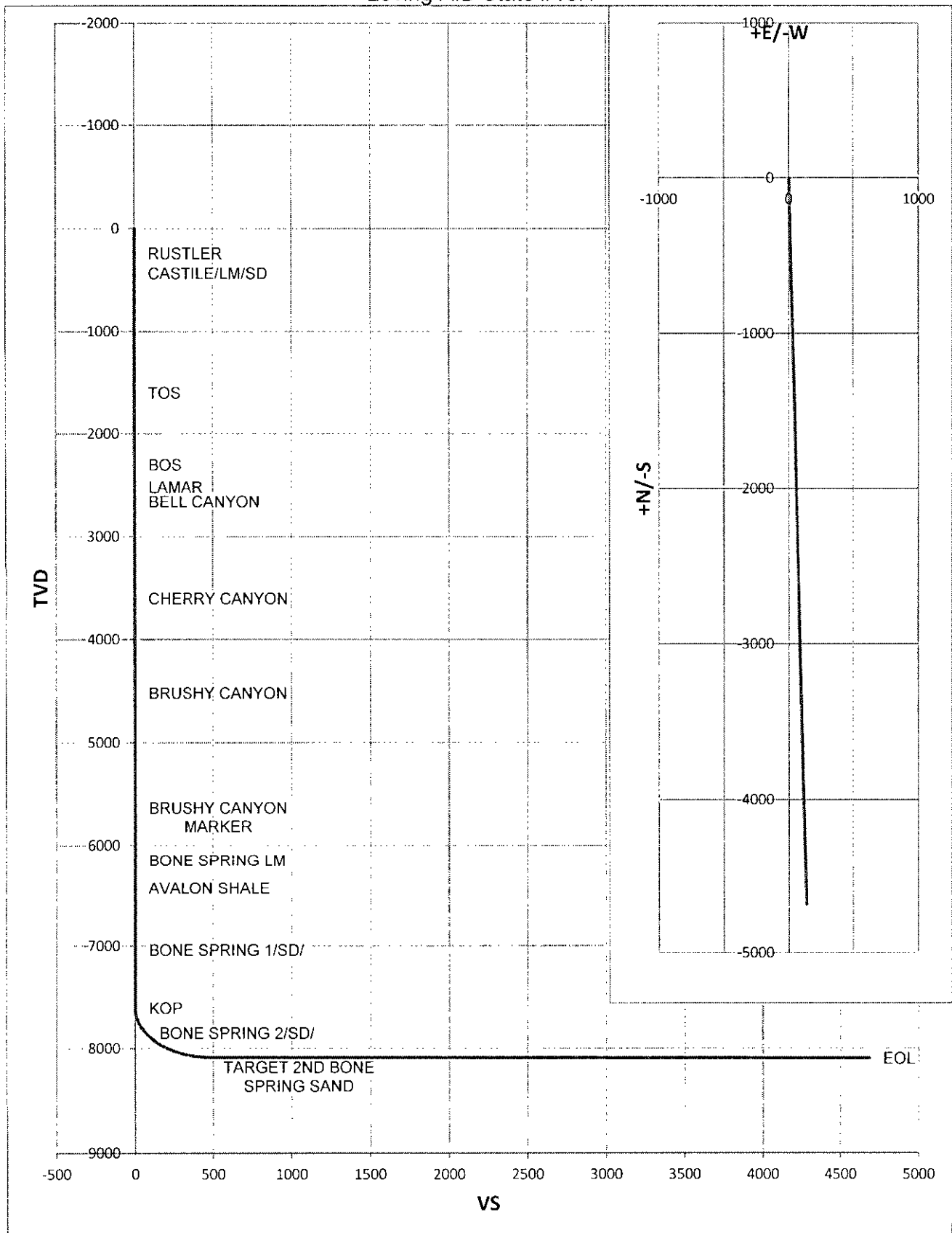
0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WO Num.: 31816

820
2/12/2016

Well Name: Loving AIB State #18H		Tgt N-S: -4682.10	EOC TVD/MD: 8086.02 / 8357.53
Surface Location: Section 16 , Township 23S Range 28E		Tgt E-W: 137.40	VS: 4684.12
Bottom Hole Location: Section 16 , Township 23S Range 28E		VS Az: 178.32	EOL TVD/MD: 8095.00 / 12565.20

MD/FT	Inc.	Azi.	TVD	+N-S	+E-W	VS	DLS	Comments
0	0	0	0	0	0	0	0	
242.00	0.00	0.00	242.00	0.00	0.00	0.00	0.00	RUSTLER
434.00	0.00	0.00	434.00	0.00	0.00	0.00	0.00	CASTILE/LM/SD
1645.00	0.00	0.00	1645.00	0.00	0.00	0.00	0.00	TOS
2299.00	0.00	0.00	2299.00	0.00	0.00	0.00	0.00	BOS
2519.00	0.00	0.00	2519.00	0.00	0.00	0.00	0.00	LAMAR
2584.00	0.00	0.00	2584.00	0.00	0.00	0.00	0.00	BELL CANYON
3633.00	0.00	0.00	3633.00	0.00	0.00	0.00	0.00	CHERRY CANYON
4519.00	0.00	0.00	4519.00	0.00	0.00	0.00	0.00	BRUSHY CANYON
5725.00	0.00	0.00	5725.00	0.00	0.00	0.00	0.00	BRUSHY CANYON MARKER
6151.00	0.00	0.00	6151.00	0.00	0.00	0.00	0.00	BONE SPRING LM
6427.00	0.00	0.00	6427.00	0.00	0.00	0.00	0.00	AVALON SHALE
7039.00	0.00	0.00	7039.00	0.00	0.00	0.00	0.00	BONE SPRING 1/SD/
7608.55	0.00	0.00	7608.55	0.00	0.00	0.00	0.00	KOP
7625.00	1.97	178.32	7625.00	-0.28	0.01	0.28	12.00	
7650.00	4.97	178.32	7649.95	-1.80	0.05	1.80	12.00	
7675.00	7.97	178.32	7674.79	-4.61	0.14	4.62	12.00	
7700.00	10.97	178.32	7699.44	-8.73	0.26	8.73	12.00	
7725.00	13.97	178.32	7723.85	-14.12	0.41	14.13	12.00	
7750.00	16.97	178.32	7747.94	-20.79	0.61	20.80	12.00	
7775.00	19.97	178.32	7771.65	-28.71	0.84	28.72	12.00	
7800.00	22.97	178.32	7794.91	-37.85	1.11	37.87	12.00	
7825.00	25.97	178.32	7817.66	-48.21	1.41	48.23	12.00	
7850.00	28.97	178.32	7839.84	-59.73	1.75	59.76	12.00	
7864.05	30.70	178.32	7852.00	-66.80	1.96	66.83	12.00	BONE SPRING 2/SD/
7875.00	31.97	178.32	7861.38	-72.40	2.12	72.44	12.00	
7900.00	34.97	178.32	7882.24	-86.19	2.53	86.22	12.00	
7925.00	37.97	178.32	7902.34	-101.04	2.97	101.08	12.00	
7950.00	40.97	178.32	7921.63	-116.92	3.43	116.97	12.00	
7975.00	43.97	178.32	7940.07	-133.79	3.93	133.85	12.00	
8000.00	46.97	178.32	7957.60	-151.61	4.45	151.67	12.00	
8025.00	49.97	178.32	7974.17	-170.31	5.00	170.39	12.00	
8050.00	52.97	178.32	7989.74	-189.86	5.57	189.94	12.00	
8075.00	55.97	178.32	8004.27	-210.20	6.17	210.29	12.00	
8100.00	58.97	178.32	8017.71	-231.26	6.79	231.36	12.00	
8125.00	61.97	178.32	8030.03	-253.01	7.42	253.11	12.00	
8150.00	64.97	178.32	8041.19	-275.36	8.08	275.48	12.00	
8175.00	67.97	178.32	8051.17	-298.27	8.75	298.40	12.00	
8200.00	70.97	178.32	8059.93	-321.67	9.44	321.81	12.00	
8225.00	73.97	178.32	8067.46	-345.50	10.14	345.65	12.00	
8250.00	76.97	178.32	8073.73	-369.69	10.85	369.84	12.00	
8275.00	79.97	178.32	8078.73	-394.17	11.57	394.34	12.00	
8300.00	82.97	178.32	8082.43	-418.88	12.29	419.06	12.00	
8325.00	85.97	178.32	8084.84	-443.75	13.02	443.94	12.00	
8350.00	88.97	178.32	8085.94	-468.71	13.75	468.91	12.00	
8357.53	89.88	178.32	8086.02	-476.24	13.98	476.45	12.00	TARGET 2ND BONE SPRING SAND
12565.20	89.88	178.32	8095.00	-4682.10	137.40	4684.12	0.00	EOL

Loving AIB State #18H



Loving AIB State #18H Contingency

Yates Petroleum Corporation respectfully requests the approval of a contingency if hole conditions warrant:

Contingency 2nd Intermediate Casing and Cement Design:

Hole will be drilled with an 8 ¾" hole to approx. 8358' MD (8086' TVD) where 7" 26# casing will then be set at and cemented to surface with approx. 705sx. TOC=0' 35% excess

Production: Production hole will be drilled with a 6 1/8" hole to 12565' MD (8150' TVD) where 4 ½" 11.6# liner will be run from TD to a liner hanger at approx. 8200'. Liner will be cemented to the top of liner hanger with approx. 305sx with 35% excess. 4 ½" 11.6# casing will be run from the top of the liner hanger to surface. 4 ½" casing will be pulled after stimulation.