

HEYCO ENERGY GROUP, INC.

Harvey E. Yates Company • Rosetta Energy Partners, L.P. • HEYCO International, Inc.

March 17, 2014

Bureau of Land Management Carlsbad Field Office 620 E. Greene St. Carlsbad, New Mexico 88220

Attention:

Deputy Minerals Manager for Oil and Gas

Re:

Young Deep Unit Contract #14-08-0001-18042 T-18S, R-32E, N.M.P.M.

Lea County, New Mexico 2014 Plan of Development

and Operation

Ladies & Gentlemen:

Harvey E. Yates Company (HEYCO) as Unit Operator, submits its 2014 Plan of Development and Operation (in triplicate) as prescribed by Section 10 of the Young Deep Unit Agreement. HEYCO is once again submitting this as Operator, as our Joint Venture arrangement with Nadel and Gussman HEYCO, LLC, is currently terminating and Change of Operator notifications will shortly be submitted on all unit wells. This plan covers the Participating Areas for the Bone Spring, Delaware, Wolfcamp and Morrow Formations in the Young Deep Unit.

In this regard, we are enclosing a current unit map showing all existing wells, roads and flowlines, and maps showing the current participating area boundaries. Maps showing CONFIDENTIAL geologic data pertinent to the producing formations have not changed since the 2013 POD, but are also enclosed. A complete updated well listing, showing the status of all wells thru 2013, is also included.

Nearly all of the Young Deep Unit wells produce from the Bone Spring Fm. in the Young, North Pool. Exceptions are the three water injection wells (YDU #5, YDU 3 Fed. #1 and YDU #16 (recently reactivated) utilized for Bone Spring Carbonate pressure maintenance, two wells producing from the Delaware Mountain Group (YDU #28 and #34), and one current Wolfcamp producer (YDU #1). The following Unit wells have been permanently plugged: YDU #3 (12/4/1984), YDU #19 (6/16/1986), YDU #35 (6/12/1992), YDU 3 Fed. #3 (8/6/1993), YDU #27 (12/15/1993), YDU 4 Fed. #1 (8/8/1996), YDU #2 (8/17/2005), YDU 3 Federal #4 (3/29/2011) and the YDU #4 (8/26/2011). (See the enclosed status list of Unit wells.)

HEYCO is continuing to evaluate ongoing technological advances in stimulation and horizontal drilling. The tight Bone Spring Sands in the northern Delaware Basin of Southeast New Mexico, which produce in the Unit, have seen aggressive industry activity in the last 5 years driven by horizontal drilling and fracture stimulation advances. HEYCO is hesitant to

purceed quickly with horizontal drilling plans because of the results from the re-entry of the plugged YDU #14 in 2005. The horizontal lateral (the #14H) in the Bone Spring 2nd Sand (see attached Unit Type Log) was drilled as a slim hole out of the existing 5 ½" casing. A thorough review of the drilling and completion operations and production data has determined that horizontal drilling in old well workovers are unsuitable for infill development of the Young Deep Unit because of mechanical and pressure limitations; therefore, HEYCO will not be re-entering additional YDU wells for the drilling of slimhole horizontal laterals. HEYCO has, however, APD'd a horizontal test in the S/2S/2 of Section 10 for possible drilling in late 2014. This well would offset the Devon completed (3/2012) horizontal 2nd Bone Spring Sand well in the N/2N/2 of Section 15, T18S-R32E. HEYCO has been evaluating the economics of this completion and later this year could propose to our unit partners the YDU #40H test. The early 2012 workover completion of the YDU #39 in the SE/4 of Section 10, T18S-R32E into the Bone Spring 2nd Sand, while successful, has not been totally encouraging in economic support of drilling the YDU #40H.

Important 2013 NGH unit operations were limited to the plugging of the Young Deep Unit #14H. In 2014, HEYCO will evaluate the completion and production data from the new offsetting Mewbourne Young 16 NC State Com #1H well completed 12/2/2013. Information from this well may encourage HEYCO to pursue the horizontal drilling of the S/2S/2 of Sec. 9 (Young Deep Unit #31H) which as of yet, has not been APD'd. The YDU #39 workover mentioned above resulted in the unit not having an active gas well within any Morrow proration unit and participating area. Gas zones that have been left or bypassed due to current economic expectations will be addressed in future POD submittals, should gas prices rebound. HEYCO also expects future horizontal unit activity for the lower Wolfcamp/Penn Shale interval as Permian Basin operators including HEYCO exploit this developing play northward from deeper in the Delaware Basin.

Based on the information submitted herewith, HEYCO respectfully requests the Bureau of Land Management approve this 2014 Plan of Development and Operation. We will be glad to supply further information, if such is required.

Respectfully submitted,

Melissa Randle Senior Landman

MVR/GKY/CB/vw Enclosures

XC:

YDUPOD2014.doc/Land:YDU#3

Oil Conservation Division (w/encl.)

1220 S. St. Francis Dr.

Santa Fe, New Mexico 87505

Attn: Sr. Petroleum Geologist

DOI Bureau of Land Management - CARLSBAD FIELD OFFICE YOUNG DEEP UNIT POD ATTACHMENTS

Status of all Wells within the Unit 2013

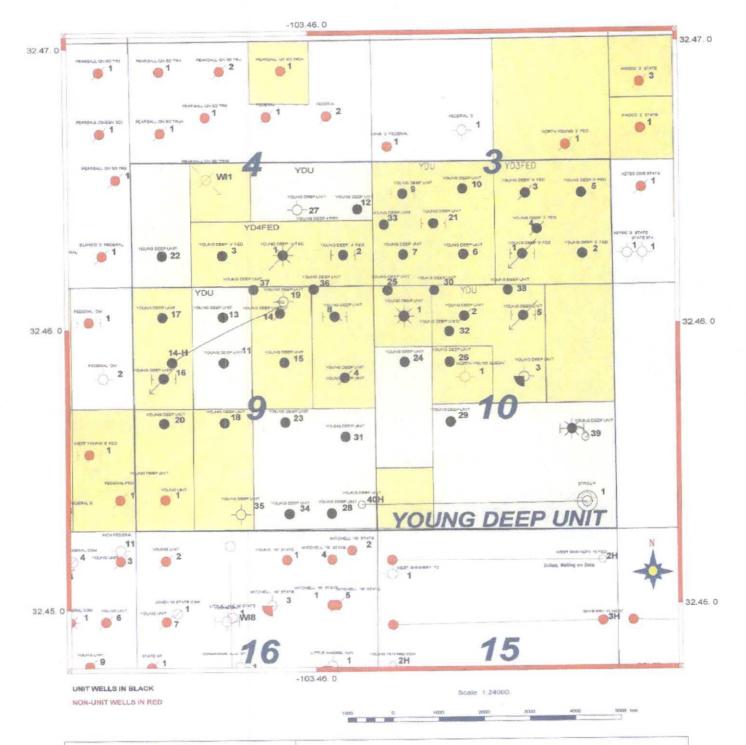
#	WELL NAME AND NUMBER	API NUMBER	COMP DATE		STATUS
1.	YOUNG DEEP UNIT 1	30025266400003	10/30/1990	WOLFCAMP	ACTIVE
2.	YDU 2	30025271210000	8/17/2005		P&A
3.	YDU 3	30025272290000	12/04/1984		D&A - PLUGGED
4.	YDU 4	30025273000000	7/2/1981		P&A
5.	YDU 5	30025273360000	10/31/1983	BONE SPRING	ACTIVE-WIW
6.	YDU 6	30025274770001	4/21/1994	BONE SPRING	ACTIVE
7.	YDU 7	30025275470001	11/29/1994	BONE SPRING	ACTIVE
8.	YDU 8	30025275350201	11/19/1987	BONE SPRING	ACTIVE
9.	YDU 9	30025284000001	10/23/2009	BONE SPRING	ACTIVE
10.	YDU 10	30025284730000	2/3/1984	BONE SPRING	ACTIVE
11.	YDU 11	30025287930001	12/25/1993	BONE SPRING	ACTIVE
12.	YDU 12	30025308660000	4/6/1990	BONE SPRING	ACTIVE
13.	YDU 13	30025289660000	12/20/1985	BONE SPRING	ACTIVE
14.	YDU 14H	30025290150101	12/16/2005		P&A 8/2013
15.	YDU 15	30025290460000	7/5/1985	BONE SPRING	ACTIVE
16.	YDU 16	30025290470000	3/30/1993	BONE SPRING	ACTIVE-WIW
17.	YDU 17	30025290600000	4/17/1985	BONE SPRING	ACTIVE
18.	YDU 18	30025313590000	9/27/1991	BONE SPRING	ACTIVE
19.	YDU 19	30025292780000	6/16/1986		D&A - PLUGGED
_	YDU 20	30025309240000	11/21/1990	BONE SPRING	ACTIVE
	YDU 21	30025322880001	9/4/2009	BONE SPRING	ACTIVE
	YDU 22	30025292530000	7/6/1985	BONE SPRING	ACTIVE
_	YDU 23	30025298960000	1/9/1988	BONE SPRING	ACTIVE
	YDU 24	30025307830000	7/26/1990	BONE SPRING	ACTIVE
_	YDU 25	30025331730000	1/22/1996	BONE SPRING	ACTIVE
_	YDU 26	30025309520000	10/5/1990	BONE SPRING	ACTIVE
27.	YDU 27	30025309760000	12/15/1993		D&A - PLUGGED
28.	YDU 28	30025310480000	4/3/1992	DELAWARE	ACTIVE
29.	YDU 29	30025312990000	9/12/1991	BONE SPRING	ACTIVE
30.	YDU 30	30025331740000	12/22/1995	BONE SPRING	ACTIVE
31.	YDU 31	30025310930000	5/13/1991	BONE SPRING	ACTIVE
32.	YDU 32	30025333150000	4/14/1996	BONE SPRING	ACTIVE
33.	YDU 33	30025334620000	8/24/1996	BONE SPRING	ACTIVE
34.	YDU 34	30025314670000	12/24/1991	DELAWARE	ACTIVE
35.	YDU 35	30025315960000	6/12/1992		D&A - PLUGGED
36.	YDU 36	30025336420000	11/28/1996	BONE SPRING	ACTIVE
37.	YDU 37	30025336430000	12/14/1996	BONE SPRING	ACTIVE
38.	YDU 38	30025338640000	12/25/1997	BONE SPRING	ACTIVE
39.	YDU 39	30025381790001	4/6/2007	BONE SPRING	ACTIVE-RECOMPL 2012
40.	YDU 40H	3002540820		BONE SPRING	PROPOSED NEW DRILL
41.	YOUNG DEEP UNIT 3 FED 1	30025273690000	12/1/1990	BONE SPRING	ACTIVE-WIW
42.	YDU 3 FED-2	30025289070000	11/19/1984	BONE SPRING	ACTIVE
43.	YDU 3 FED-3	30025275340000	8/6/1993		P&A
44.	YDU 3 FED-4	30025284810000	4/18/1984		P&A
45.	YDU 3 FED-5	30025287180000	6/30/1984	BONE SPRING	ACTIVE
46.	YDU 4 FED-1	30025268130000	8/8/1996		P&A
47.	YDU 4 FED-2	30025276790102	5/7/1995	BONE SPRING	ACTIVE
48.	YDU 4 FED-3	30025292680000	10/3/1985	BONE SPRING	ACTIVE

YDU WELLS WITH INDIVIDUAL TANKS	YDU WELLS GOING TO YDU 1 - BATTERY	YDU WELLS GOING TO YDU 11 - BATTERY	YDU WELLS BY PARTICIPATING AREA
YOUNG DEEP UNIT 1 YDU 12 YDU 18 YDU 20 YDU 23 YDU 24 YDU 25 YDU 28 YDU 29 YDU 30 YDU 31 YDU 32 YDU 32 YDU 33 YDU 34 YDU 36 YDU 37 YDU 38 YDU 39	YDU 6 YDU 7 YDU 8 YDU 9 YDU 10 YDU 21 YDU 26 YDU 4 FED-2 YDU WELLS GOING TO YDU 25 YDU 30 YDU 32 YDU 33 YDU WELLS GOING TO YDU 36 - BATTERY	YDU 4 YDU 11 YDU 13 YDU 15 YDU 17 YDU 22 YDU WELLS GOING TO YDU 3 FED 1 - BATTERY YDU 3 FED 4 YDU 3 FED 5	MORROW: None WOLFCAMP: YDU 1 DELAWARE: YDU 28 YDU 34 BONE SPRING: ALL OTHERS
	YDU 36 YDU 37	YDU 4 FED 3	
2010 UNIT ACTIVITY	MAINTENANCE ONLY - EVA	ALUATE 2009 WO's	
2011 UNIT ACTIVITY	YDU 3 FED 4 - P&A, YDU 4	- P&A	
2012 UNIT ACTIVITY	YDU #39 RECOMPLETED II	N TO BONE SPRING FM. 1/2012	
2013 UNIT ACTIVITY	YDU #14H - P&A 8/2013		

RECLAMATION OF YDU 14H WELL SITE

DRILL YDU 40H HORIZONTAL 2ND BONE SPRING SAND TEST EVALUATE HZ FOR OFFSET DEVELOPMENT - #41H & #42H

2014-15 PLANNED ACTIVITY



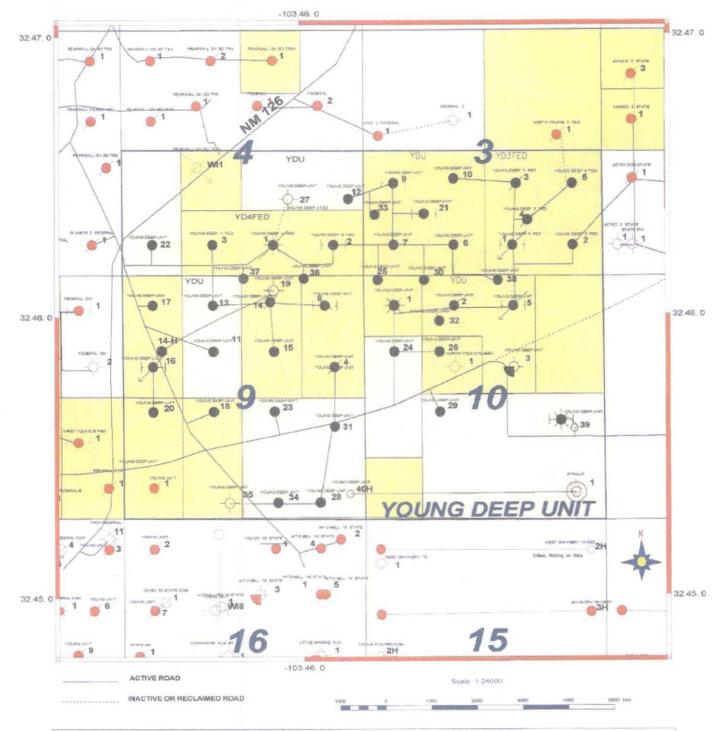
- Abandoned Location
- Dry and Abandoned
- * Gas Well
- · Location Active or Proposed
- · Oil Well
- Plugged and Abandoned Oil Well
- M Oil Well converted to water injector
- · Oil Well Workover
- x Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E LEA COUNTY, NEW MEXICO

Suzi Yahney	1" = 2,000 ft.	3/14/2014
UNIT Wells BLACK	Scale 1:24000.	YDU_POD.gpf

-103.46, 0

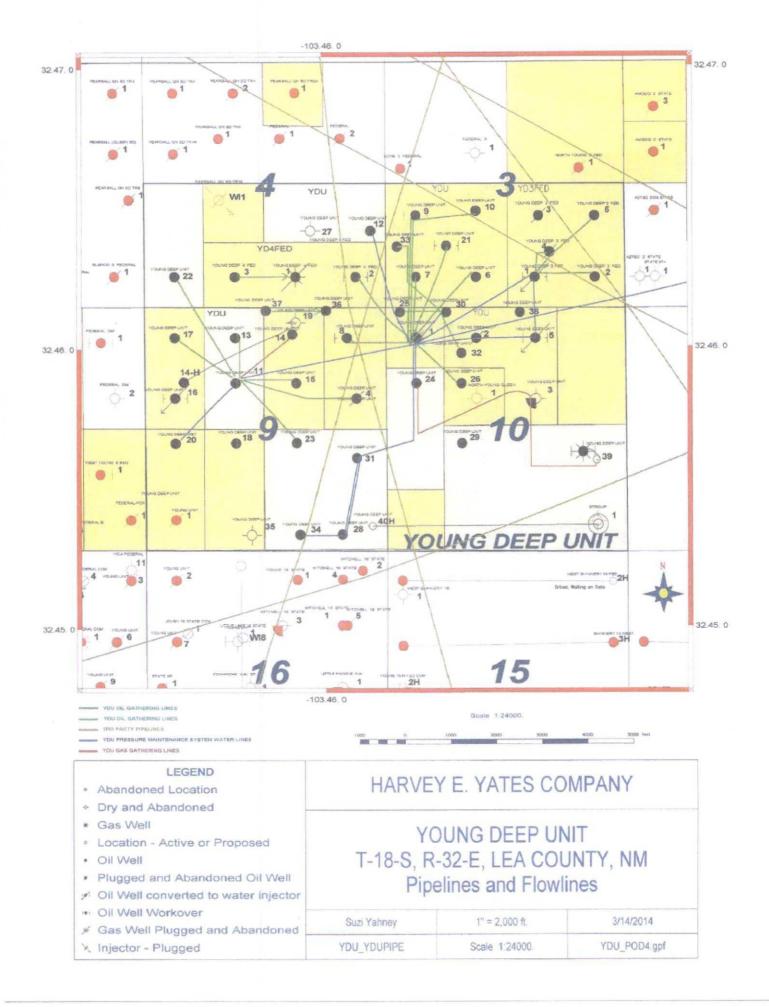


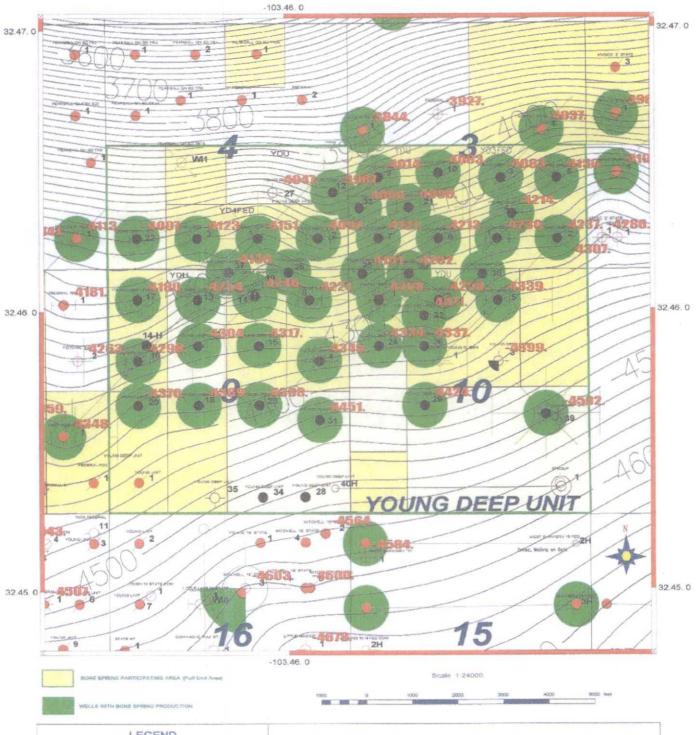
- · Abandoned Location
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- · Oil Well Workover
- # Gas Well Plugged and Abandoned
- x, Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E, LEA COUNTY, NM Roads

Suzi Yahney	1" = 2,000 ft.	3/14/2014
YDU_YDROADS	Scale 1:24000.	YDU_POD3.gpf



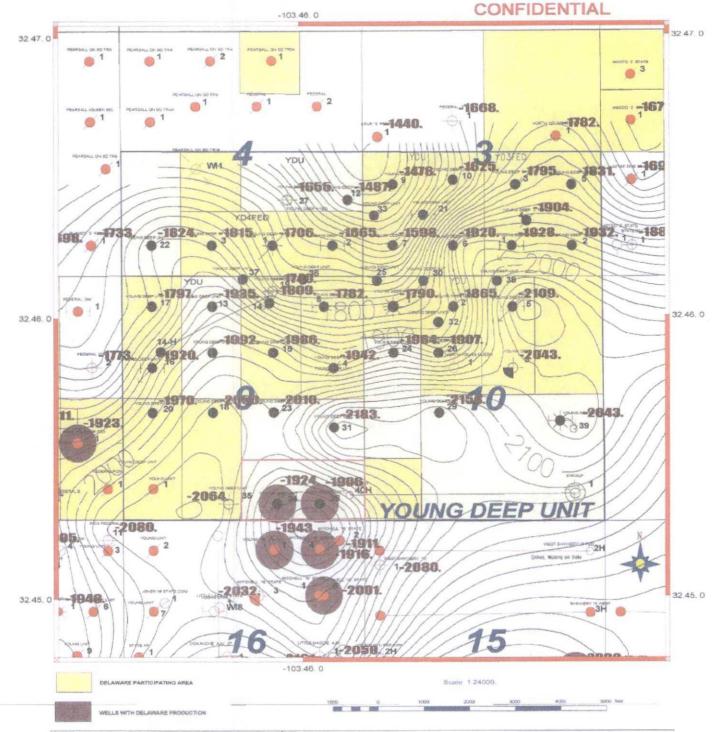


- Abandoned Location
- Dry and Abandoned
- * Gas Well
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- , Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E - LEA COUNTY, NM T/BONE SPRING "B" CARBONATE

C I = 20 FT.	1" = 2,000 ft.	3/14/2014
YDU_BSPG	Scale 1:24000.	YDU_POD6.gpf

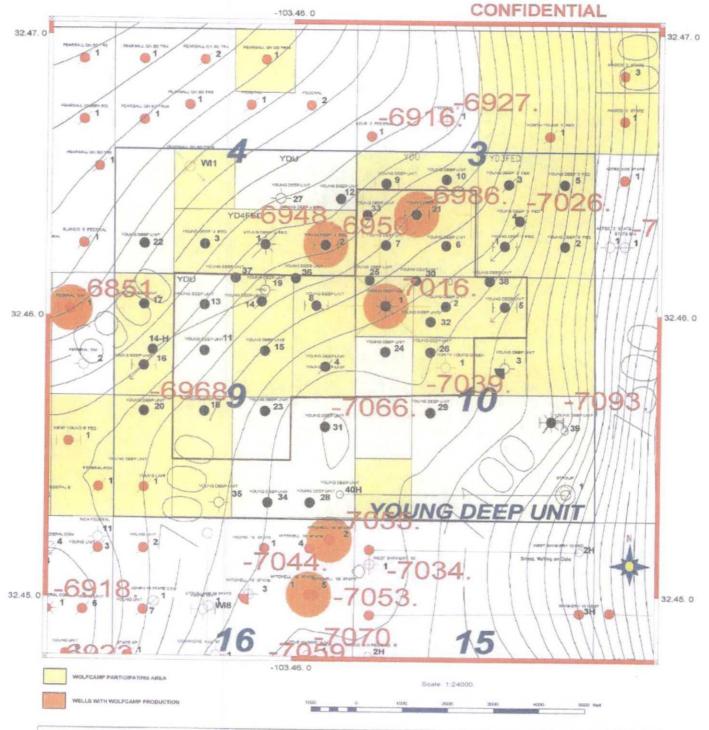


- Abandoned Location
- Dry and Abandoned
- * Gas Well
- · Location Active or Proposed
- Oil Well
- Plugged and Abandoned Oil Well
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- · Oil Well Workover
- # Gas Well Plugged and Abandoned
- , Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E - LEA COUNTY, NM T/U. BRUSHY CANYON DLWR MARKER

C I = 20 FT.	1" = 2,000 ft.	3/14/2014
YDU_DLWR	Scale 1:24000.	YDU_POD5.gpf

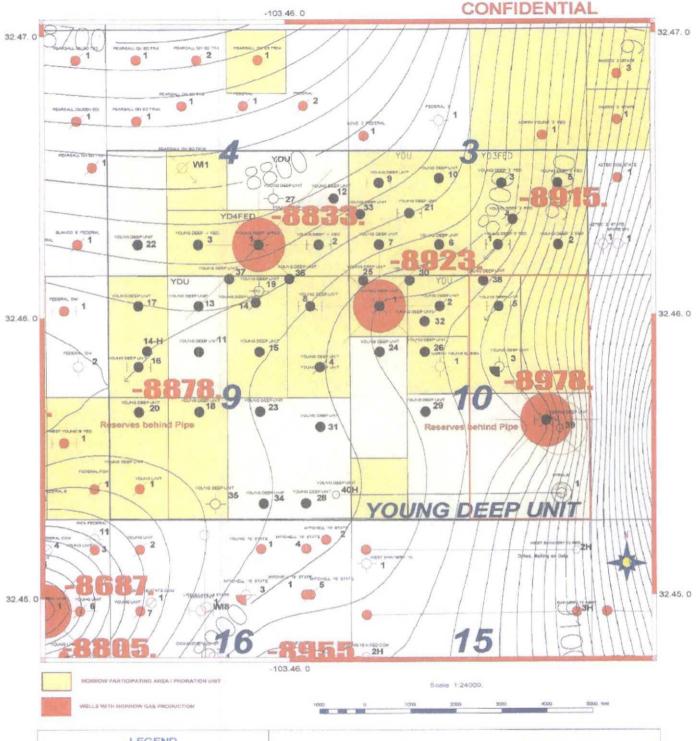


- Abandoned Location
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- · Oil Well Workover
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- k, Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E - LEA COUNTY, NM STRUCTURE AT BASE WOLFCAMP FM.

C I = 20 FT	1" = 2,000 ft.	3/14/2014
YDU_PLVS	Scale 1:24000.	YDU_POD7.gpf

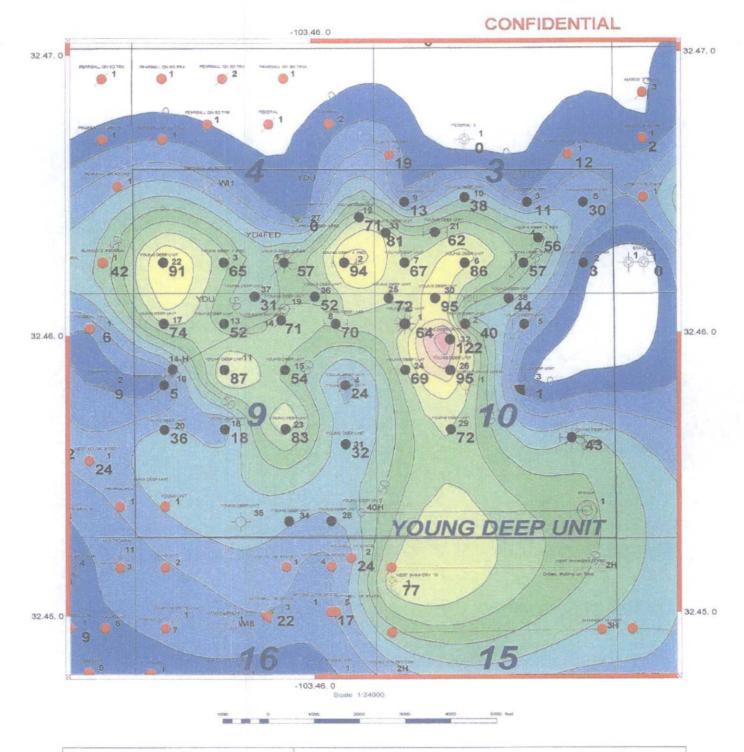


- · Abandoned Location
- Dry and Abandoned
- * Gas Well
- · Location Active or Proposed
- · Oil Well
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- · Oil Well Workover
- # Gas Well Plugged and Abandoned
- , Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E - LEA COUNTY, NM STRUCTURE T/ LOWER MORROW

C I = 20 FT.	1" = 2,000 ft.	3/14/2014
YDU_MRRWL	Scale 1:24000.	YDU_POD8.gpf

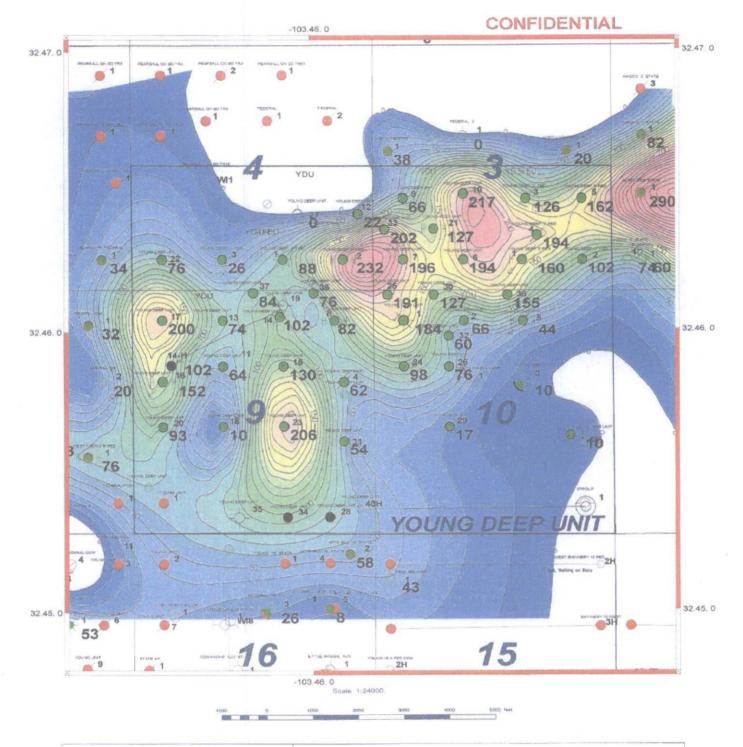


- Abandoned Location
- Dry and Abandoned
- * Gas Well
- · Location Active or Proposed
- Oil Well
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- ✓ Oil Well converted to water injector
- · Oil Well Workover
- *, Injector Plugged

HARVEY E YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E, LEA COUNTY, NM Bone Spring 2nd Sd Pay - Porosity >10%

C I = 10 FT.	1" = 2,000 ft.	3/14/2014
YDU_BSPG2C	Scale 1:24000.	YDU_POD0.gpf

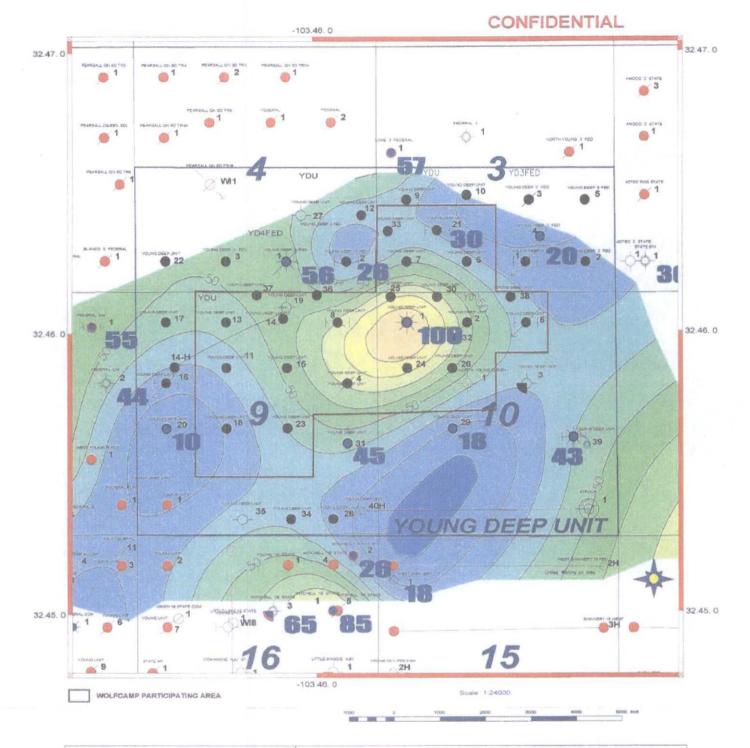


- Abandoned Location
- Dry and Abandoned
- * Gas Well
- · Location Active or Proposed
- · Oil Well
- Plugged and Abandoned Oil Well
- Oil Well converted to water injector
- · Oil Well Workover
- . Injector Plugged

HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E, LEA COUNTY, NM Bone Spring "B" Carbonate Porosity >6%

C1 = 10 FT	1" = 2,000 ft.	3/14/2014	
YDU_BSPGB	Scale 1:24000.	YDU_POD9.gpf	



- Abandoned Location
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- Oil Well
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- Oil Well converted to water injector
- · Oil Well Workover
- , Injector Plugged

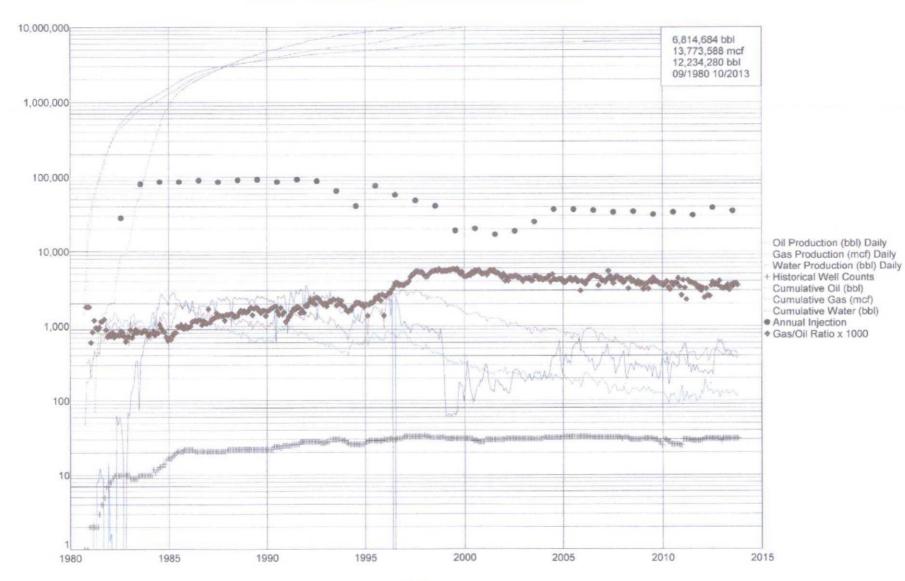
HARVEY E. YATES COMPANY

YOUNG DEEP UNIT T-18-S, R-32-E - LEA COUNTY, NM GROSS ISOPACH LOWER WOLFCAMP PAY

C I = 10 FT.	1" = 2,000 ft.	3/14/2014
YDU_WFMPAF	Scale 1.24000	YDU_POD1.gpf

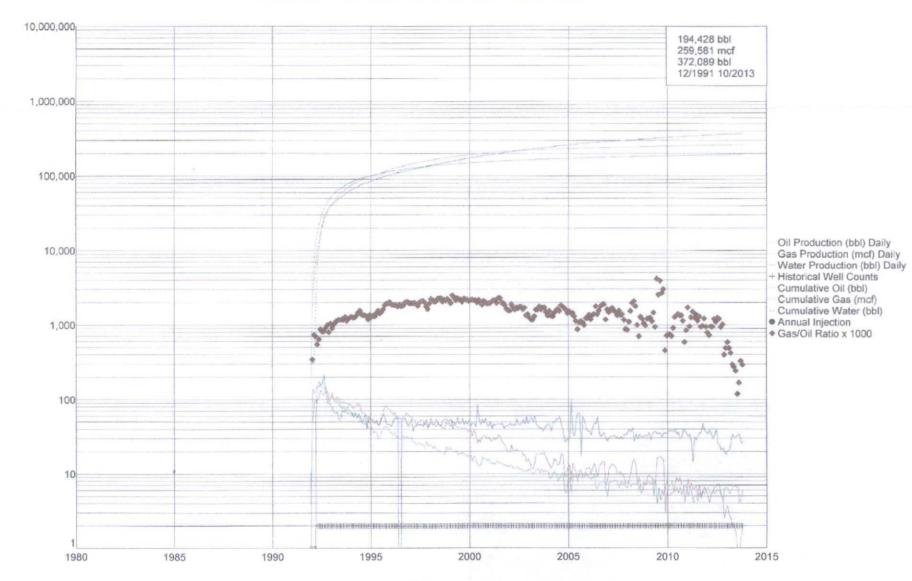
Lease Name: MULTIPLE County, State: LEA, NM Operator: MULTIPLE Field: YOUNG NORTH Reservoir: BONE SPRING Location:

HARVEY E. YATES COMPANY YOUNG NORTH BONE SPRING



Lease Name: YOUNG DEEP UNIT
County, State: LEA, NM
Operator: NADEL & GUSSMAN HEYCO LLC
Field: YOUNG NORTH
Reservoir: DELAWARE
Location:

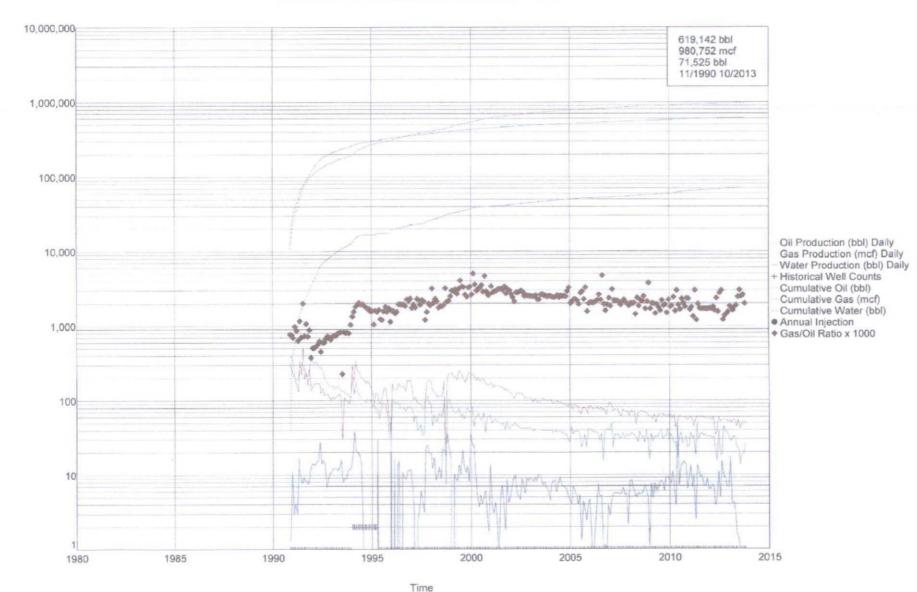
HARVEY E. YATES COMPANY YOUNG NORTH DELAWARE



Production Rates

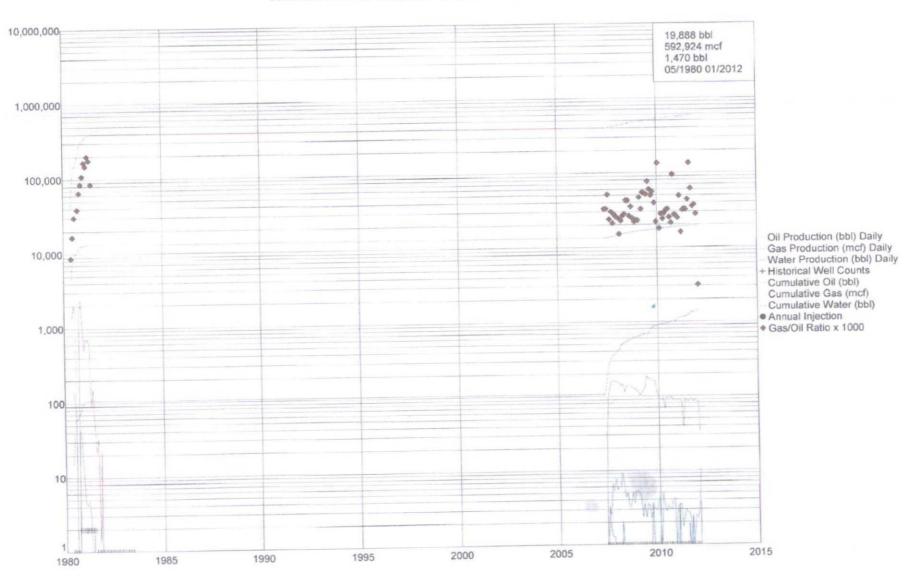
Lease Name: MULTIPLE County, State: LEA, NM Operator: MULTIPLE Field: YOUNG Reservoir: WOLFCAMP Location:

HARVEY E. YATES COMPANY YOUNG WOLFCAMP



Production Rates

HARVEY E. YATES COMPANY YOUNG MORROW



Production Rates

Time