

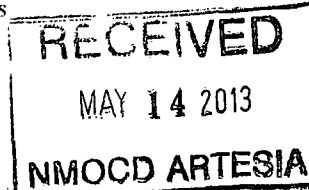
District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy Minerals and Natural Resources

Form C-101  
Revised December 16, 2011

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

*Amended*



Permit

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		OGRID Number 025575
Property Code <b>15788</b>		API Number 30-015-28410
Property Name Patriot AIZ		Well No. 11

Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	21	19S	25E		1880	North	1880	West	Eddy

Pool Information

N: Seven Rivers; Glorieta-Yeso	97565
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Additional Well Information

Work Type P	Well Type O	Cable/Rotary N/A	Lease Type Fee	Ground Level Elevation 3489' GL
Multiple N	Proposed Depth N/A	Formation Cisco	Contractor N/A	Spud Date N/A
Depth to Ground water		Distance from nearest fresh-water well		Distance to nearest surface water

Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
REFER TO ORIGINAL COMPLETION						

Casing/Cement Program: Additional Comments

Yates Petroleum Corporation plans to plugback and recomplete this well as follows: NU BOP. Rig up all safety equipment as needed. Run a GR/IB to +/-7690'. Set a CIBP at 7680' with 35' cement on top. Spot a 160' cement plug across Wolfcamp 5738'-5898'. Pull GR/CCL/CBL from PBTD to surface, if TOC is below 1900' contact office for squeeze procedure. The original CBL was only pulled from the FC to 5000'; so we know the cement is good up to 5000'. Spot 160' cement plug across Bone Spring 3634'-3794'. Pressure test casing to 3000 psi. Perforate Yeso 2428'-2558' (66). Frac as attached. Flow well back and allow well to clean up. TIH with tubing to check for fill and to ensure that perforations are not covered. POOH. TIH with tubing. swab well until it cleans up then TIH with pumping equipment and turn well over to production. Wellbore schematics attached.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Manual BOP	3000 psi	3000 psi	Whichever company is available

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that the drilling pit will be constructed according to NMOC D guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐. YPC uses steel tanks only.

Signature: *Tina Huerta*

Printed name: Tina Huerta

Title: Regulatory Reporting Supervisor

E-mail Address: tina.h@yatespetroleum.com

Date: May 14, 2013

Phone: 575-748-4168

OIL CONSERVATION DIVISION

Approved By:

*SR Dade*

Title: *Dr. Supervisor*

Approved Date: *5/14/2013*

Expiration Date: *5/14/2015*

Conditions of Approval Attached

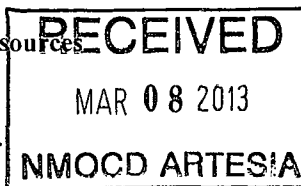
*Subsequent to w/p provide amended CIOZ with well name change*

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Permit



**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

<sup>1</sup> Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		<sup>2</sup> OGRID Number 025575
		<sup>3</sup> API Number 30-015-28410
<sup>4</sup> Property Code 34689	<sup>5</sup> Property Name NDDUP Unit	<sup>6</sup> Well No. 66H

**<sup>7</sup> Surface Location**

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	21	19S	25E		1880	North	1880	West	Eddy

**<sup>8</sup> Pool Information**

N. Seven Rivers; Glorieta-Yeso	97565	✓
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**Additional Well Information**

<sup>9</sup> Work Type P	<sup>10</sup> Well Type O	<sup>11</sup> Cable/Rotary N/A	<sup>12</sup> Lease Type Fee	<sup>13</sup> Ground Level Elevation 3489'GL
<sup>14</sup> Multiple N	<sup>15</sup> Proposed Depth N/A	<sup>16</sup> Formation Cisco	<sup>17</sup> Contractor N/A	<sup>18</sup> Spud Date N/A
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

**<sup>19</sup> Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
REFER TO ORIGINAL COMPLETION						

**Casing/Cement Program: Additional Comments**

Yates Petroleum Corporation plans to plugback and recomple this well as follows: NU BOP. Rig up all safety equipment as needed. Run a GR/JB to +/-7690'. Set a CIBP at 7680' with 35' cement on top. Spot a 160' cement plug across Wolfcamp 5738'-5898'. Pull GR/CCL/CBL from PBTD to surface, if TOC is below 1900' contact office for squeeze procedure. The original CBL was only pulled from the FC to 5000'; so we know the cement is good up to 5000'. Spot 160' cement plug across Bone Spring 3634'-3794'. Pressure test casing to 3000 psi. Perforate Yeso 2428'-2558' (66). Frac as attached. Flow well back and allow well to clean up. TIH with tubing to check for fill and to ensure that perforations are not covered. POOH. TIH with tubing, swab well until it cleans up then TIH with pumping equipment and turn well over to production. Wellbore schematics attached.

**Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Manual BOP	3000 psi	3000 psi	Whichever company is available

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

I further certify that the drilling pit will be constructed according to NMOC D guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐. YPC uses steel tanks only.

Signature:

Printed name: Tina Huerta

Title: Regulatory Reporting Supervisor

E-mail Address: tinah@yatespetroleum.com

Date: March 6, 2013

Phone: 575-748-4168

**OIL CONSERVATION DIVISION**

Approved By:

Title:

Approved Date: 3/21/2013

Expiration Date: 3/21/2015

Conditions of Approval Attached

MI RU casing saver and pumping equipment to pump a fracture treatment at 70 BPM down the 7" casing limiting the surface treating pressure to 3,000 psig. Set a pop off valve at 3,500 psi.

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Treating Schedule

Stg. #	Fluid	Stg. Type	Cln. Vol. (bbls)	Cln. Vol. (gals)	Ttl. Rate (bpm)	Proppant	Conc. (lb/gal)	Stage Prop. (lbs)	Cum. Prop. (lbs)
1	Slick Water	Prepad	50	2,100	10		0	0	0
2	20% HCL	Acid	95.2	4000	25		0	0	0
3	Slick Water	Pad	1,333.3	56,000	70		0	0	0
4	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.2	900	900
5	Slick Water	Sweep	107.1	4,500	70		0	0	900
6	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.3	1350	2250
7	Slick Water	Sweep	107.1	4,500	70		0	0	2250
8	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.4	1800	4050
9	Slick Water	Sweep	107.1	4,500	70		0	0	4050
10	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.5	2250	6300
11	Slick Water	Sweep	107.1	4,500	70		0	0	6300
12	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.6	2700	9000
13	Slick Water	Sweep	107.1	4,500	70		0	0	9000
14	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.7	3150	12150
15	Slick Water	Sweep	107.1	4,500	70		0	0	12150
16	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.8	3600	15750
17	Slick Water	Sweep	107.1	4,500	70		0	0	15750
18	Slick Water	Slurry	107.1	4,500	70	100 Mesh	0.9	4050	19800
19	Slick Water	Sweep	107.1	4,500	70		0	0	19800
20	Slick Water	Slurry	107.1	4,500	70	100 Mesh	1	4500	24300
21	Slick Water	Pad	254.8	10,700	70		0	0	24300
22	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.2	2140	26440
23	Slick Water	Sweep	142.9	6,000	70		0	0	26440
24	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.3	3210	29650
25	Slick Water	Sweep	142.9	6,000	70		0	0	29650
26	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.4	4280	33930
27	Slick Water	Sweep	142.9	6,000	70		0	0	33930
28	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.5	5350	39280
29	Slick Water	Sweep	142.9	6,000	70		0	0	39280

30	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.6	6420	45700
31	Slick Water	Sweep	142.9	6,000	70		0	0	45700
32	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.7	7490	53190
33	Slick Water	Sweep	142.9	6,000	70		0	0	53190
34	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.8	8560	61750
35	Slick Water	Sweep	142.9	6,000	70		0	0	61750
36	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	0.9	9630	71380
37	Slick Water	Sweep	142.9	6,000	70		0	0	71380
38	Slick Water	Slurry	254.8	10,700	70	40/70 Ottawa	1	10700	82080
39	Slick Water	Pad	404.8	17,000	70		0	0	82080
40	Slick Water	Slurry	404.8	17,000	70	16/30 Brady	1	17000	99080
41	Slick Water	Slurry	571.4	24,000	70	16/30 Brady	2	48000	147080
42	Slick Water	Slurry	761.9	32,000	70	16/30 Brady	3	96000	243080
43	Slick Water	Flush	138.1	5,460	70		0	0	243080

**Estimated Surface Treating Pressure = 1,920 psig.**

**Maximum Surface Treating Pressure = 3,000 psig.**

**Fluid Specifications:**

**Slick Water** - fresh water with 1.0 gal/M liquid friction reducer, 1 gal/M gas Surfactant, liquid biocide agent and an oxidizing breaker.

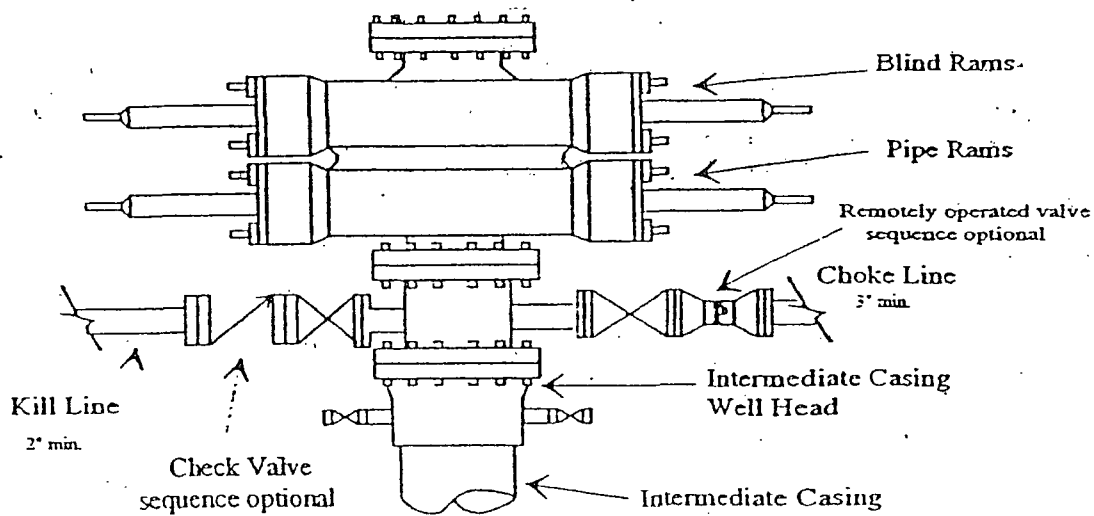
**YPC will provide:**

21 clean frac tanks with 480 barrels of Fresh water in each tank for treatment and flush.

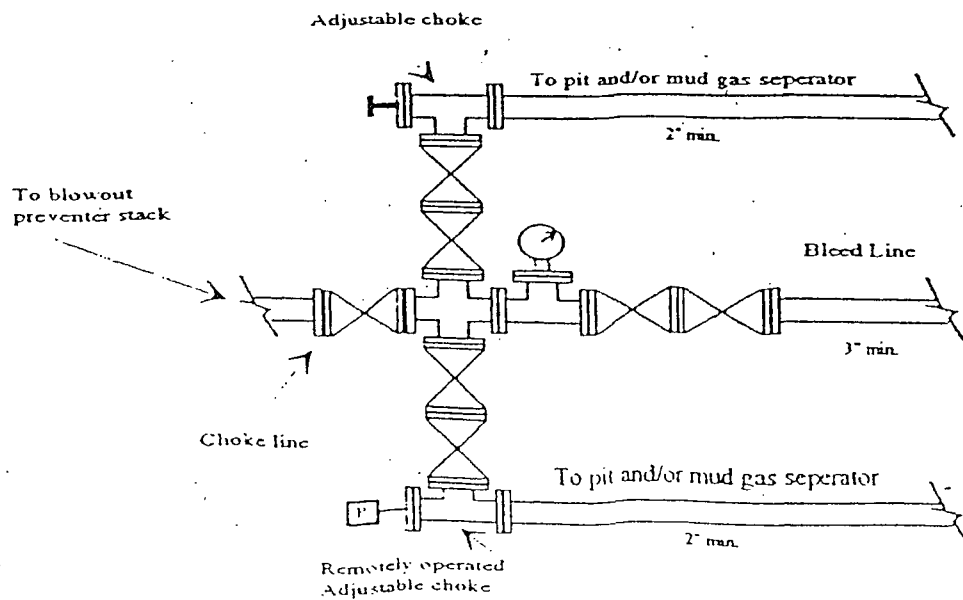
**Service company to provide:** computer van with job reports, weight tickets, on location and QC lab van.

# Yates Petroleum Corporation

## Typical 3,000 psi Pressure System Schematic



Typical 3,000 psi choke manifold assembly with at least these minimum features



WELL NAME: NDDUP #66H FIELD: Dagger Draw  
 LOCATION: 1,880' FNL & 1,880' FWL of Section 21-19S-25E Eddy Co., NM  
 GL: 3,489' ZERO: KB: 3,502'  
 SPUD DATE: 01/26/00 COMPLETION DATE: 04/05/00  
 COMMENTS: API No.: 30-015-28410  
 (Formerly Patriot AIZ 11H)

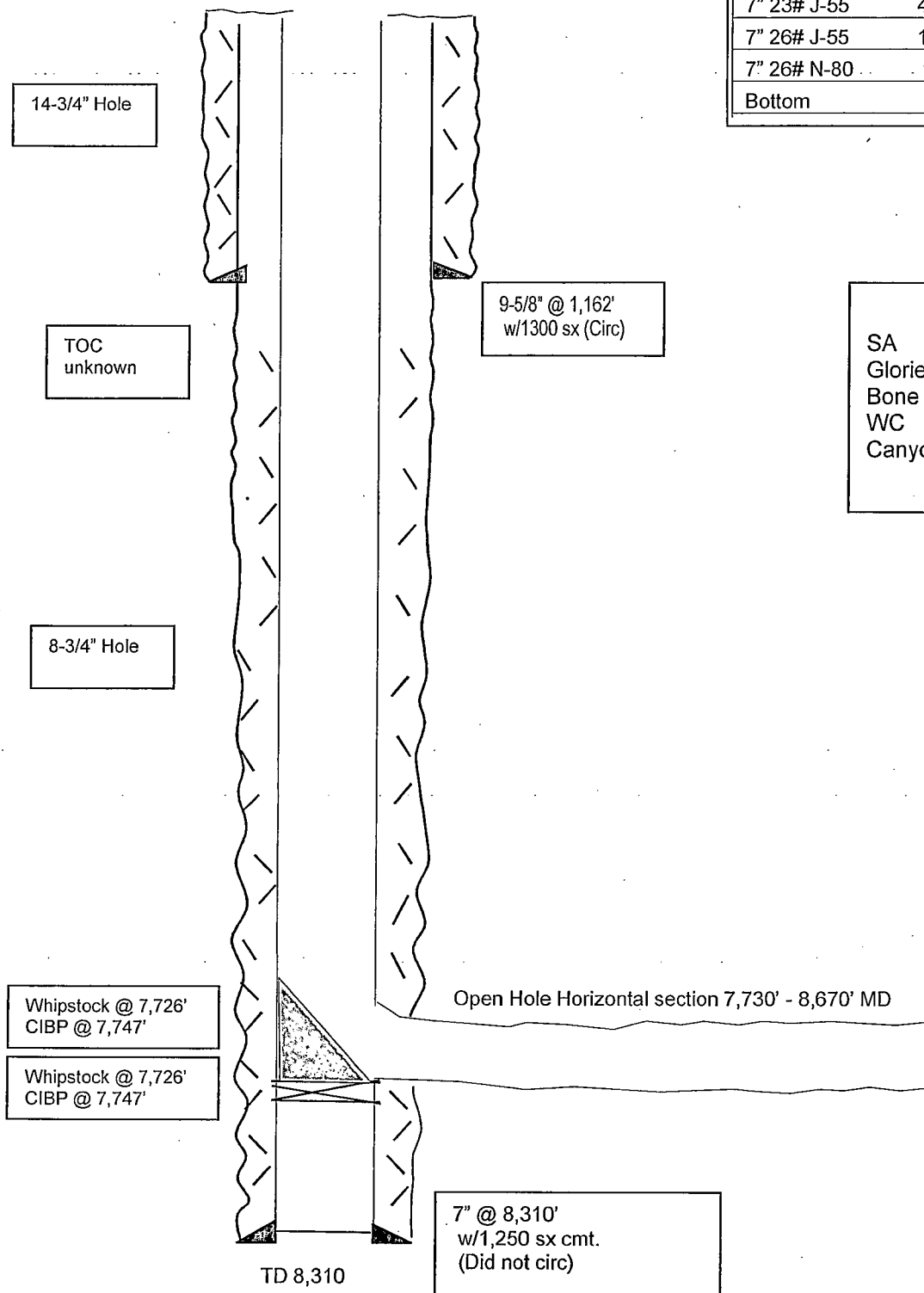
# CASING PROGRAM

9-5/8" 36# J-55		1,162'
Top		
7" 26# J-55	455'	
7" 23# J-55	4,900'	
7" 26# J-55	1,531'	
7" 26# N-80	1,456'	8,310'
Bottom		

Before

## TOPS

SA 731'  
 Glorieta 2,288'  
 Bone Springs 3,744'  
 WC 5,848'  
 Canyon 7,720'



MD: 8,670'  
TVD 7,754'

Not to Scale  
 6/19/11  
 Hill

WELL NAME: NDDUP #66H FIELD: Dagger Draw  
 LOCATION: 1,880' FNL & 1,880' FWL of Section 21-19S-25E Eddy Co., NM  
 GL: 3,489' ZERO: \_\_\_\_\_ KB: 3,502'  
 SPUD DATE: 01/26/00 COMPLETION DATE: 04/05/00  
 COMMENTS: API No.: 30-015-28410'  
(Formerly Patriot AIZ 11H)

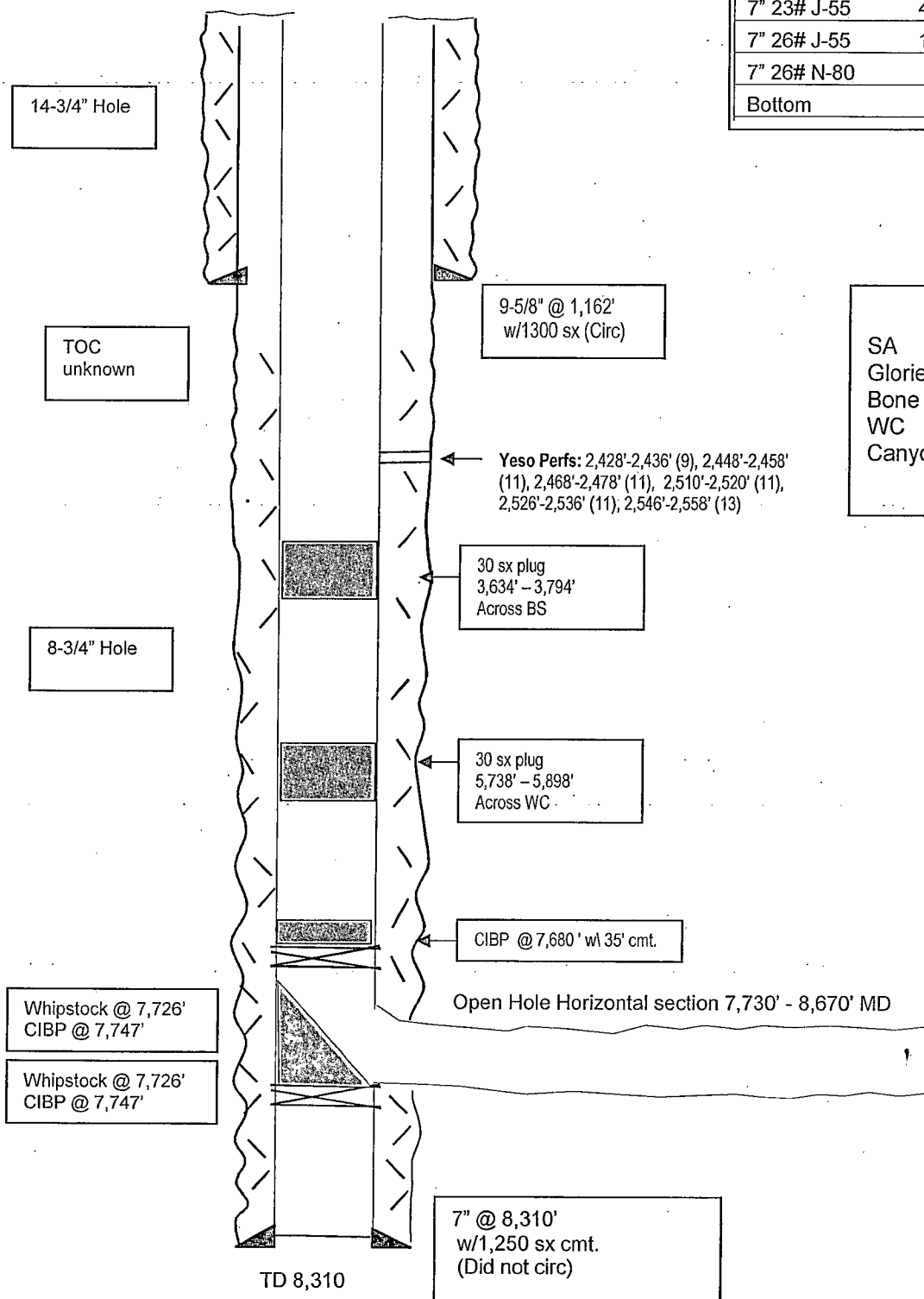
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After

## TOPS

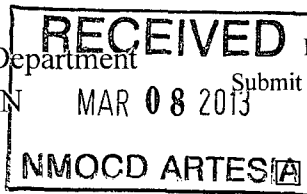
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State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-015-28410	<sup>2</sup> Pool Code 97565	<sup>3</sup> Pool Name N. Seven Rivers; Glorieta-Yeso
<sup>4</sup> Property Code 34689	<sup>5</sup> Property Name NDDUP Unit	<sup>6</sup> Well Number 66H
<sup>7</sup> OGRID No. 025575	<sup>8</sup> Operator Name Yates Petroleum Corporation	<sup>9</sup> Elevation 3489' GL

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	21	19S	25E		1880	North	1880	West	Eddy

<sup>11</sup> 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
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<sup>12</sup> Dedicated Acres 40	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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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.

<sup>16</sup> 	<sup>17</sup> <b>OPERATOR CERTIFICATION</b> 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.  Signature Date March 6, 2013 Tina Huerta Printed Name tinah@yatespetroleum.com E-mail Address	
	<sup>18</sup> <b>SURVEYOR CERTIFICATION</b> 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 of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	