

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

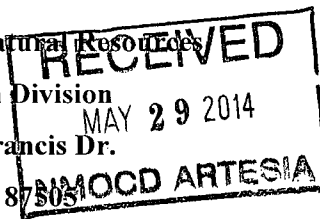
Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505



☐ AMENDED REPORT

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

¹ Operator Name and Address Yates Petroleum Corporation 105 South Fourth Street Artesia, NM 88210		² OGRID Number 025575
		³ API Number 30-005-63262
⁴ Property Code 26230	⁵ Vista AVS Vista AVS State	⁶ Well No. 2

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	21	9S	26E		1980	North	1980	West	Chaves

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name Pecos Slope; Abo (GAS)	Pool Code 82730
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Additional Well Information

¹¹ Work Type P	¹² Well Type G ✓	¹³ Cable/Rotary NA	¹⁴ Lease Type S	¹⁵ Ground Level Elevation 3,760'GR
¹⁶ Multiple N	¹⁷ Proposed Depth NA	¹⁸ Formation Abo	¹⁹ Contractor NA	²⁰ Spud Date NA
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. 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

Refer to page 2

22. Proposed Blowout Prevention Program

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

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Laura Watts</i>		OIL CONSERVATION DIVISION Approved By: <i>T.C. Shepard</i> Title: "Geologist" Approved Date: <i>5-29-2014</i> Expiration Date: <i>5-29-2016</i>	
Printed name: Laura Watts Title: Regulatory Reporting Technician E-mail Address: laura@yatespetroleum.com			
Date: May 28, 2014 Phone: 575-748-4272		Conditions of Approval Attached	


Proposal to Plugback:

Yates Petroleum Corporation plans to perforate additional Wolfcamp and possibly recomplete the Abo:

1. MIRU all safety equipment necessary. NU BOP.
2. Perforate Wolfcamp 5,061'-5,070' (36 holes).
3. Set an RBP with ball catcher on tubing at +/- 5,200'. Acidize with 1200 gallons of 15% IC HCL with cationic surfactants at a 2-3 BPM rate, dropping 54 ball sealers evenly. RU a swab and recover the acid load and test the perfs.
4. If this zone shows decent production, turn the well over to production. If it is not productive on its own, move up and perforate Wolfcamp 4,963'-4,980' (60 holes).
5. Release the packer and RBP, move up and straddle Wolfcamp 4,963'-4,980', acidize with 1200 gallons of 20% IC HCL with cationic surfactants at a 2-3 BPM rate, dropping 90 ball sealers evenly. RU a swab and recover the acid load.
6. If both zones are productive, set a CIBP at 5,280' with 35' of cement on top to set a plug on the current nonproductive zone. If only upper zone is productive, set a CIBP at 5,010'. If neither zones are productive, set a CIBP at 4,913' with 35' cement on top. If zones are productive, but need to add Abo to production, first set the CIBP at 5,280' with 35' cement, then set a composite plug at 4,750' and perforate Abo 4,386'-4,650' (38 holes).
7. Spot 1000 gallons 7-1/2% IC HCL spearhead acid across the perfs, frac 4,386'-4,650' down the casing with 62,000 gallons of Quality CO2 foamed 35# linear gelled 7% KCL water carrying 160,000 pounds of 16/30 mesh Brady sand (treating schedule attached).
8. As a safety precaution, do not start flow back until WSC has had time to rig down their equipment and clear the area. Flow the well back until the well has cleaned up and the CO2 is gone, then turn to production. If the Wolfcamp zone is productive we will drill out the composite plug after a commingle order has been approved and commingle the Wolfcamp and Abo together.

If neither zone is productive, we will rig down and move off to evaluate the economics of testing San Andres or P&A.

Wellbore schematics attached


Regulatory Reporting Technician
May 28, 2014

Treating Schedule						

lbs Proppant						

Stage	gal	Prop Conc	Stage	Cumulative	Proppant Type	CO2
Number		lb/gal				
1	13000.	0.0	0.	0.	pad	65%
2	5000.	0.5	2500.	2500.	16/30 Brady sand	65%
3	5000.	1.0	5000.	7500.	16/30 Brady sand	65%
4	5000.	2.0	10000.	17500.	16/30 Brady sand	65%
5	7500.	3.0	22500.	40000.	16/30 Brady sand	65%
6	7500.	4.0	30000.	70000.	16/30 Brady sand	65%
7	5000.	5.0	25000.	95000.	16/30 Brady sand	65%
8	5000.	6.0	30000.	125000.	16/30 Brady sand	65%
9	5000.	7.0	35000.	160000.	16/30 Brady sand	65%
10 +/-	4386.	0.0	0.	0.	flush	65%

Estimated highest Surface Treating Pressure @ 60 BPM = 3,750 psi.

WELLNAME: Vista "AVS" State #2 FIELD: FOOR RANCH
 LOCATION: 1980' FNL + 1980' FWL, Sec 21, T 9S, R 26E, Chaves Co, NM.
 L: 3,760' ZERO: _____ AGL: _____ KB: 3,771'
 START DATE: 4/12/01 COMPLETION DATE: _____
 COMMENTS: _____

CASING PROGRAM	
SIZE/WT/GR/CONN	DEPTH SET
8 5/8", 24.0 #/ft, J-55 STD	1,110'
4 1/2", 11.60 #/ft, P-110, LTC	6,130'

12 1/4" hole

BEFORE

8 5/8" set @ 1,110', cmt p w/ 600 sacks
 cmt circ to surface

7 7/8" hole

TOC: 3,780' +/-

Wolfcamp

5,324' - 5,334' w/ 2 js pf Spear zone

Penn

5,498' - 5,747' w/ 6 js pf in 4 intervals

Ordovician

5,800' - 5,814' w/ 2 js pf

4 1/2" cmt d w/ 587 sacks of cement

CIBP @ 5,460' +
 35' cmt

CIBP @ 5,790' +
 35' cmt

PBTD: 6,084'

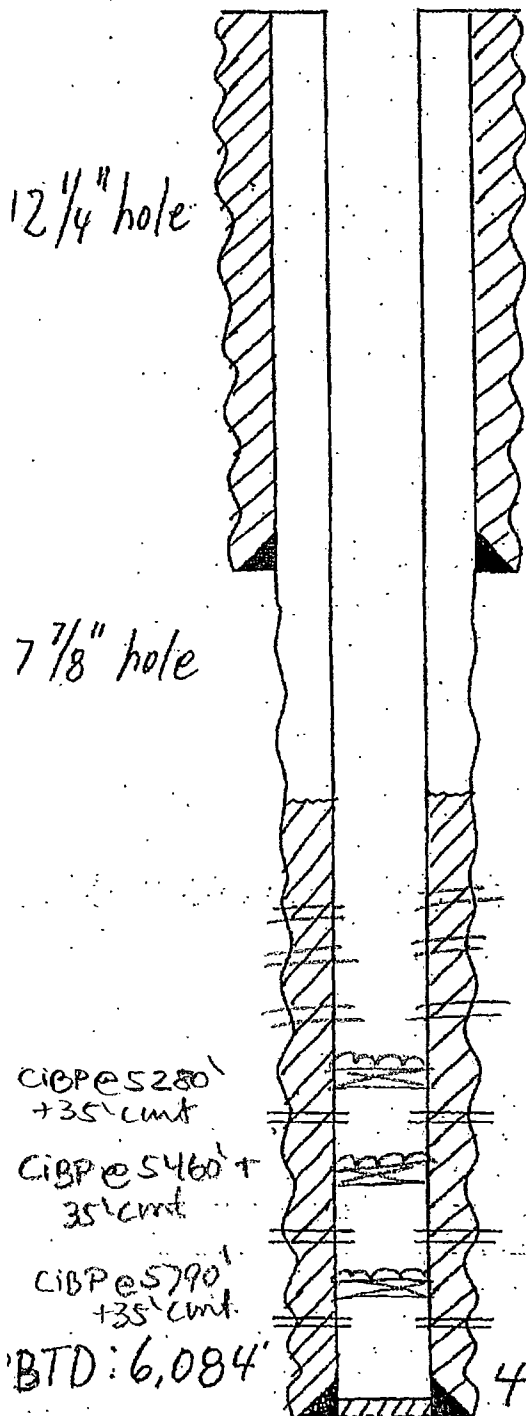
TD: 6,130'

- SKETCH NOT TO SCALE -

DATE: 5/3/01 JWP

WELLNAME: VISTA "A/S" State #2 FIELD: FOOR RANCH
 LOCATION: 1980' FNL & 1980' FWL, Sec 21, T 9S, R 26E, Chaves Co, NM.
 L: 3,760' ZERO: _____ AGL: _____ KB: 3,771'
 PUDD DATE: 4/12/01 COMPLETION DATE: _____
 COMMENTS: _____

CASING PROGRAM	
SIZE/WT/GR/CONN	DEPTH SET
8 5/8", 24.0 #/ft, J-55 STD	1,110'
4 1/2", 11.60 #/ft, P-110, LTR	6,130'



AFTER

8 5/8" set @ 1,110', CMTD W/ 600 SACKS
 CMT CIRC TO SURFACE

TOC: 3,780' +/-

ABO: 4,386'-90', 4,470'-71', 4,542'-50', 68'-71', 4,612'-16', 44'-50' (13SPF)

Wolfcamp A: 4,963'-68', 4,970'-80' w/ 4spf

Wolfcamp B: 5,061'-5,070' w/ 4spf

Wolfcamp C (Spear)

5,324'-5,334' w/ 2jspf Spear zone

PENN

5,498'-5,747' w/ 6jspf in 4 intervals

Ordovician

5,800'-5,814' w/ 2jspf

4 1/2" CMTD W/ 587 SACKS OF CEMENT

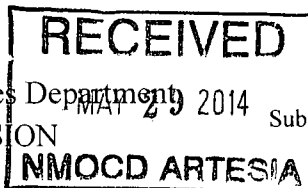
TD: 6,130'

- SKETCH NOT TO SCALE -

DATE: 5/3/01 JWP

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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

¹ API Number 30-005-63262	² Pool Code 82730	³ Pool Name Pecos Slope; Abo (FAS)
⁴ Property Code 26230	⁵ Property Name Vista AVS State	⁶ Well Number 2
⁷ OGRID No. 025575	⁸ Operator Name Yates Petroleum Corporation	⁹ Elevation 3,760' GR

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
F	21	9S	26E		1980	North	1980	West	Chaves

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

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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.

¹⁶ 	¹⁷ 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. Signature Date 5/28/14 Laura Watts Printed Name laura@yatespetroleum.com E-mail Address	
	¹⁸ 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 of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	