Form 3160-5

## N.M. Oil Cons. Division 1625 N. French Dr., **UNITED STATES**

FORM APPROVED

(November 1994)

DEPARTMENT OF THE INTERIOR Hobbs, NM 88240 **BUREAU OF LAND MANAGEMENT** 

OMB No. 1004-0135 Expires July 31, 1996						
5.	Lease Serial No.					

SUNDRY NOTICES A Do not use this form for pro abandoned well. Use Form 3	NM-57285  6. If Indian, Allottee or Tribe Name						
SUBMIT IN TRIPLICATE - O	7. If Unit or	CA/Agreement, Name and/or No.					
1. Type of Well	Pending						
Oil Well  Gas Well  Other	8. Well Name and No.						
2. Name of Operator	Chaparral 33 Federal No. 2  9. API Well No.						
Gruy Petroleum Management Co.  3a. Address		1					
	No. (include area 2.401.3111	coae)	30-025-36403  10. Field and Pool, or Exploratory Area				
P.O. Box 140907 Irving, TX 75014-0907 972.401.3111  4. Location of Well (Footage, Sec., T., R., M., or Survey Description)					Quail Ridge; Morrow		
660' FNL & 1980 FWL	11. County or Parish, State						
C - 33-195-3	u <sub>e</sub>				Lea, NM		
12. CHECK APPROPRIATE I	BOX(ES) TO INDICAT	E NATURE C	F NOTICE, R	EPORT, OR	OTHER DATA		
TYPE OF SUBMISSION		TYPE O	F ACTION				
☐ Acidize	Acidize Deepen Production (Starte			(Pasuma)	☐ Water Shut-Off		
Notice of Intent  Acidize  Alter Casi			Reclamation		Wall Integrity		
Subsequent Report Casing Re		nstruction	Recomplete	_	Other Set production		
Change Pl	<u> </u>	Abandon	Temporarily Ab	'	casing		
Final Abandonment Notice Change Pi		_	Water Disposal	andon	caonig		
following completion of the involved operations. testing has been completed. Final Abandonment determined that the site is ready for final inspection  11-18-03 Ran 5-1/2" casing to 13800. Cer Flocele. Followed with (tail) 400 Gilsonite 1/4# Flocele + 0.2% HI  11-19-03 No cement circulated from first s  Premium Neat Cement. Circulated  *Please see attached drilling report.	Notices shall be filed only a l.)  mented first stage with (I sx Super "H" + 2.5# Salt R-7.  stage. Cemented second and 79 sx cement to pit.	ter all requirement lead) 500 sx Int : + 0.4% CFR-3 stage (lead) 145	erfill "H" + 0.3% + 0.5% LAP-1 +	hamation, have be	cen completed, and the operator has cilsonite + 1/4# 3000 + 5#		
<ol> <li>I hereby certify that the foregoing is true and corre Name (Printed/Typed)</li> </ol>	ct	Title					
Natalie Krueger		<del></del>	Production Assistant				
Signature Natali Luce	ac.	Date January	20, 2004				
ACCEPTED FOR REC	SPACE FOR FEDER	RAL OR STATI	E OFFICE USE				
Approved by (OFIG. SGD.) DAVID R.	JLASS	Title		Da	te		
Conditions of approval, if any, here attached Approvectify that the applicant holds legal or equitable title which would entitle the applicant to conduct operations	to those rights in the subje	orrant or Office ect lease					

Title 18 U.S.C. Section 10 DAMARES Crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictitious or fraudulent statements or agency of the United States any false, fictions are presented in the United States and Indiana (Indiana (India

## Gruv Petroleum Management Co.

Magnum Hunter Production, Inc.

## Well History

October 23, 2003 Thru November 19, 2003

## **OPERATED**

**QUAIL RIDGE** 

GRUY PETROLEUM MANAGEMENT CO 76456 CHAPARRAL 33 FEDERAL COM 2 W.I. Pct BCP

80.49 %

LEA. NM

660' FNL 1.980' FWL 33-T19S-R34E

W.I. Pct ACP 80.49 % Morrow / 13,500'

10/23/2003

Depth

4.020

**Progress** 

588

AFE:

23542

Present Operation: Drlg

PU & TIH with DC's Test Motor Rig Service Lay down 13 its of DP Finish TIH Test csg to 2200 psi Drill float, shoe jt and 10' of new formation to 3442.' Test csg seat to 10.5# EMW with 375 psi. No leak off Drill to 3943'. (163 motor rpm - 40 rotary rpm. 30k to 35k weight) Survey at 3910' - 1.0 deg Drill to

4020'. (163 motor rpm - 40 rotary rpm. 30k to 35k bit weight)

10/24/2003

Depth

4,778

**Progress** 

758

AFE:

23542

Present Operation: Drlg

Drill to 4204'. (163 motor rpm - 40 rotary rpm. 30k to 35k weight) Service Rig Teledrift Survey at 4223' - 1/2 deg Drill to 4445'. (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Teledrift Survey at 4412' - 1/2 deg Drill to 4668' (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Teledrift Survey At

4634' - 1/2 deg Drill to 4778' (163 motor rpm - 40 rotary rpm. 35k to 40k weight)

10/25/2003

Depth

5,609

**Progress** 

831

AFE:

23542

Present Operation: Drlg

Drill to 5017' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Service Rig Teledrift Survey at 4984' - 1/2 deg Drill to 5459' (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Teledrift Survey at 5426'

- 1/2 deg Drill to 5609' (163 motor rpm - 40 rotary rpm. 35k to 40k weight)

10/26/2003

Depth

6,096

**Progress** 

487

AFE:

23542

Present Operation: TOH with Magnet

Drill to 5870' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Service Rig Teledrift Survey at 5837' - 1/2 deg Wireline Survey at 5817' - 1/2 deg Drill to 6096" (163 motor rpm - 40 rotary rpm. 35k to 40k weight ). Bit torqued up and died TOH. Bit had one cone and piece of shank gone. Lay down Motor, teledrift, reamer and stabilizer. PU and TIH w/ 8 1/2" magnet Wash to Bottom w/ Magnet

10/27/2003

Depth **Progress**  6,700

604

AFE: 23542 Present Operation: Drlg

TOH. Recovered fish. PU Motor and BHA. TIH w/ BHA and 24 stands DP. Test Motor Slip and Cut 165' of Drilling Line Finish TIH Wash and Ream 75' to Bottom Drill to 6248' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 6215' - 1.0 deg Drill to 6437' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 6404' - 1.0 deg Drill to 6626' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 6593' - 1.0 deg Drill to 6700' (163 motor rpm - 40 rotary rpm. 35k

1/20/04

CHAPARRAL 33 FEDERAL COM 2

1

to 40k weight)

**Progress** 

10/28/2003

Depth

7,520 820

AFE:

23542

Present Operation: Drlg

Drill to 6944' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 6911' - 1/2 deg Service Rig Drill to 7134' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 7103' - 1.0 deg Drill to 7324' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 7291' - 1.0 deg Drill to 7520' (163 motor rpm - 40 rotary rpm. 35k to 40k weight)

10/29/2003

Depth 8,207

Progress

687

AFE: 23542

Present Operation: Drlg

Drill to 7638' (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Teledrift Survey at 7605' - 1.0 Deg Drill to 7763' (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Rig Service Drill to 7827' (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Teledrift Survey at 7794' - 1.0 Deg Drill to 8017' (163 motor rpm - 40 rotary rpm. 35k to 40k weight ) Teledrift Survey at 7984' - 1.0 Deg Drill to 8207' (163 motor rpm - 40 rotary rpm. 35k to 40k weight )

10/30/2003

Depth

8,522 315

Progress

AFE: 23542

Present Operation: Drlg

Drill to 8365' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Rig Service Drill to 8396' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift Survey at 8363' - 1.0 Deg Drill to 8417' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Bit Died Drop Totco and prep floor to Trip TOH. Lay down I - 6" DC. Hole in Hard Band. Replace Motor and Bit. Totco survey from 8417' = 1.75 Deg. TIH w/ BHA. Test Motor. TIH Wash and Ream 62' to Bottom Drill to 8522' (163 motor rpm - 40 rotary rpm. 35k to 40k weight).

10/31/2003

Depth

**Progress** 

9,099 577

AFE: 23542

Present Operation: Drlg

Drill to 8587' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Teledrift Survey at 8554' - 1.0 deg Drill to 8651' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Service Rig Drill to 8809' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Teledrift Survey at 8776' - 1.5 deg Drill to 9000' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Teledrift Survey at 8967' - 1.5 deg Drill to 9099' (163 motor rpm - 40 rotary rpm. 35k to 40k weight).

11/01/2003

Depth 9,532 Progress 433

AFE: 23542

Present Operation: TOH

Drill to 9127' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Rig Service Drill to 9188' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift survey at 9150' - 1/2 deg Drill to 9379' (163 motor rpm - 40 rotary rpm. 35k to 40k weight) Teledrift survey at 9346' - 1.0 deg Drill to 9532' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Bit died TOH to check DC's, Bit & Motor

11/02/2003

Depth 9,770 Progress 238

AFE: 23542

Present Operation: Drlg

Finish TOH. Trip check DC'S. Change out Bit, IBS, Motor and Reamer. TIH w/BHA. Test Motor. Finish TIH Wash and Ream 80' to Bottom Drill to 9568' (163 motor rpm - 40 rotary rpm. 30k to 35k weight) Teledrift Survey at 9535' - 1.0 deg Drill to 9770' (163 motor rpm - 40 rotary rpm. 30k to 35k weight)

11/03/2003

Depth

9,943

1/20/04

CHAPARRAL 33 FEDERAL COM 2

**Progress** 

173

AFE:

23542

Present Operation: TOH

Drill to 9822' (163 motor rpm - 40 rotary rpm. 30k to 35k weight) Service Rig Wireline Survey at 9884' - 1.5 deg Drill to 9917' (163 motor rpm - 40 rotary rpm. 30k to 35k weight) Wireline Survey at 9917' -2.0 deg Drill to 9943' (163 motor rpm - 40 rotary rpm. 30k to 35k weight). Bit, teledrift or motor plugging Trip out of Hole for Motor

11/04/2003

Depth 10,288 **Progress** 345

AFE:

23542

Present Operation: Drlg

Finish TOH. Bit had seals gone Slip and Cut drilling Line. TIH w/ DC'S. Test Motor. Finish TIH Wash and Ream 112' to bottom Drill to 10,106' (163 motor rpm - 40 rotary rpm. 35k to 40k weight). Teledrift survey at 10,073' - 1.0 deg Drill to 10,288' (163 motor rpm - 40 rotary rpm, 35k to 40k weight ).

11/05/2003

Depth 10.760 **Progress** 472 Present Operation: Drlg

AFE:

23542

Drill to 10,326' (163 motor rpm - 40 rotary rpm. 40k to 45k weight). Rig Service Drill to 10,516' (163 motor rpm - 40 rotary rpm. 40k to 45k weight). Teledrift survey at 10,483' - 2.0 deg Drill to 10,738' (163 motor rpm - 40 rotary rpm. 40k to 45k weight). Teledrift survey at 10,705' - 1.5 deg Drill to

10,760' (163 motor rpm - 40 rotary rpm. 40k to 45k weight).

11/06/2003

Depth 11,210 **Progress** 450 Present Operation: Drlg

AFE:

23542

Drill from 10,760' to 10,918' (158 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Service rig Drill from 10,918' to 10,959' (158 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Teledrift @ 10,926' = 10 Drill from 10,959' to 11,210' (156 RPM motor - 40 RPM rotary - 40K to 45K bit wt.)

11/07/2003

Depth 11,484 **Progress** 274 Present Operation: Drlg

AFE:

23542

Drill from 11,210' to 11,244' (156 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Teledrift @ 10,926' = 10 Service rig Drill from 11,244' to 11,393' (156 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) - rotary started torqueing up - no pressure increase at motor & bit - formation = 80% Chert Drop Totco @ 11,393' = 1 1/20 & trip out for bit - checked IBS & BHR for gauge - OK - LD motor & Bit # 7 8 3/4" Smith F47HYPS 2-16's & 1-15 serial # MP2522 in @ 9,943' out @ 11,393' cut 1,450' in 70 1/2 hrs. condition = T4 B4 5/16" out of gauge function test BOP's - OK TIH with Bit #8, new motor, BHA & DC's - test motor - OK TIH with DP to 11,351' Wash & ream 42' of out of gauge hole from 11,351' to 11,393' Drill from 11,393' to 11,484' (149 RPM motor - 40 RPM rotary - 35K to 40K bit wt.) BGG = 28 units - max. gas = 126 units - trip gas = 302 units - conn. gas = 66 units - no shows

11/08/2003

Depth 11,886 **Progress** 402 Present Operation: Drlg

AFE: 23542

> Drill from 11,484' to 11,619' (149 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Teledrift @ 11,586' = 20 Service rig Drill from 11,619' to 11,808' (149 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Teledrift @ 11,775' = 10 Drill from 11,808' to 11,886' (149 RPM motor - 40 RPM rotary - 40K

to 45K bit wt.)

11/09/2003

Depth 12,285 **Progress** 399

AFE:

23542

Present Operation: Drlg

1/20/04

CHAPARRAL 33 FEDERAL COM 2

Drill from 11,886' to 11,936' (149 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Service rig Drill from 11,936' to 12,000' (149 RPM motor - 40 RPM rotary - 45K to 50K bit wt.) Teledrift @ 11,967' = 10 Drill from 12,000' to 12,285' (149 RPM motor - 40 RPM rotary - 45K to 50K bit wt.)

11/10/2003

Depth 12,496 **Progress** 211

AFE:

23542

Present Operation: Drlg

Teledrift @ 12,252' = 10 Drill from 12,285' to 12,360' (149 RPM motor - 40 RPM rotary - 45K to 50K bit wt.) - bit torqueing with pump pressure spiking Service rig Drop Totco @ 12,298' = 1 1/20 & trip out for bit checked IBS & BHR for gauge - LD BHR, motor & Bit #8 8 3/4" Security EBXS47S 3-20's serial # 10547507 in @ 11,393' out @ 12,360' cut 967' in 53 3/4 hrs. condition = T8 B8 5/16" out of gauge - function test BOP's -OK TIH with Bit #9, new motor, new BHR, BHA & DC's - test motor - OK TIH with DP to 12,235' Wash & ream 125' of out of gauge hole from 12,235' to 12,360' Drill from 12,360' to 12,475' (149 RPM motor - 40 RPM rotary -35K to 40K bit wt.) Teledrift @ 12,442' = 10 Drill from 12,475' to 12,496' (149 RPM motor - 40 RPM rotary - 35K to 40K bit wt.) BGG = 314 units - max. gas = 482 units - conn. gas = 289 units - lag = 70 mins. - no shows trip gas = 1.427 units

11/11/2003

Depth 12,880 **Progress** 384 Present Operation: Drlg

AFE:

23542

Drill from 12,496' to 12,506' (149 RPM motor - 40 RPM rotary - 35K to 40K bit wt.) Install head rubber & drive bushings - returned to the steel pits & started mud up at 12,506' Drill from 12,506' to 12,632' (149 RPM motor - 40 RPM rotary - 35K to 40K bit wt.) Teledrift @ 12,599' = 10 Service rig

Drill from 12,632' to 12,880' (149 RPM motor - 40 RPM rotary - 35K to 40K bit wt.)

11/12/2003

Depth 13,175 **Progress** 295

AFE:

23542

Present Operation: Drlg

Drill from 12,880' to 12,979' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Service rig Teledrift @ 12,946' = 1/20 Drill from 12,979' to 13,168' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Teledrift @ 13,135' = 10 Drill from 13,168' to 13,175' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.)

11/13/2003

Depth 13,311 **Progress** 136

AFE:

Present Operation: Well SI - OOH on Trip 23542

> Drill from 13,175' to 13,232' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Service rig Drill from 13,232' to 13,311' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) - rotary started torqueing up - no pressure increase at motor & bit Circulate bottoms up & mix slug - no flow - no gas flare Slug DP, drop Totco @ 13,311' = 10 & trip out - checked IBS & BHR for gauge - OK - LD Teledrift Sub, motor & Bit #9 8 3/4" Security EBXS47S serial # 10547510 3-20's in @ 12,360' out @ 13,311' cut 951' in 63 1/2 hrs. condition = T2 B4 1/8" out of gauge - function tested BOP's - Discovered well had started flowing while LD & PU BHA - trip displacement volume calculates 137 Bbls. - well took 145 Bbls. actual displacement & according to the PVT's the well flowed back 100 Bbls. - SI well - max. SIP = 910# - mixed an 80 Bbl. 10.1 #/gal. slug & have lubricated in 2-10 Bbls. slugs, waiting 1 hr. between slugs & bleeding off gas prior to pumping slug - SIP = 480# at report time - checked gauge on manifold - SIP = 1,300# - something is wrong with the sending unit to the choke panel from the choke manifold - have Totco man on the way BGG = 572 units - max. gas = 1,002 units - conn. gas = 688 units - lag = 76 mins. - no shows max. gas seen by mud logger during flow = 1,280 units

11/14/2003

Depth 13,490 **Progress** 179

AFE:

23542

Present Operation: Drlg

Well SI - out of hole on trip - 1,300# SIP - killed well by bleeding off gas pressure & lubricating in 10.1 #/gal. mud in stages of 20 Bbls to 65 Bbls. on last stage (total of 110 Bbls. mud) Service rig TIH with Bit # 10, new motor, BHA & DC's - test motor - OK TIH with DP to 13,236' Wash & ream 75' from 13,236' to 13,311' - no problems - 10' to 25' gas flare Drill from 13,311' to 13,490' (136 RPM motor - 40 RPM rotary - 35K to 40K bit wt.) - 10' to 25' gas flare down to no flare this AM

11/15/2003

Depth 13,788
Progress 298
Present Operation: Drilling

AFE: 23542

Drill from 13,490' to 13,571' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) Service rig Drill from 13,571' to 13,788' (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.)

BGG = 26 units - max. gas = 205 units - conn. gas = 426 units - lag = 100 mins. - no shows

11/16/2003

Depth 13,800 Progress 12

AFE: 235

23542 Present Operation: RUNNING LOGS

Drill from 13,788' to 13,800' TD (136 RPM motor - 40 RPM rotary - 40K to 45K bit wt.) - reached TD of 8 3/4" hole at 7:00 AM (CST) 11/15/2003 Circulate up samples for mud logger 10 stand short trip out - TIH - no problems Circulate Service rig Slug DP, drop Totco @ 13,800' = 10 & POOH for open hole logs - chained out 1st 20 stands DP - LD IBS, BHR, motor & Bit # 10 - pulled wear bushing RU Halliburton & running open hole logs - Logger's TD = 13,800' BGG = 0 units - max. gas = 189 units - conn. gas = 94 units - lag = 100 mins. - no shows short trip gas = 400 units

11/17/2003

Depth 13,800 Progress 0 Present Operation: POOH

AFE: 23542

Halliburton ran open hole logs - Ran Spectral Density Dual-Spaced Neutron Log, Dual Laterolog Micro-Guard Log, Full Wave Sonic Log & Sequential Formation Tester - RD Halliburton RU Computalog & ran 9 5/8" Casing Inspection Log from 3,424' to surface - no abnormal wear - RD Computalog TIH with 8 3/4" bit, bit sub, DC's & 4 1/2" DP to 4,500' Break circulation at 4,500' TIH to 9,000' Break circulation at 9,000' TIH to 13,746' Wash 54' from 13,746' to 13,800' - no fill Circulate bottoms up - 6' maximum gas flare & died down to no flare - mix slug RU laydown machine - slug DP & POOH LD 4 1/2" DP

11/18/2003

Depth 13,800 Progress 0

AFE: 23542

Present Operation: Cementing 1st Stage

POOH LD 4 1/2" DP Break kelly, pull rotating head rubber & drive bushings - POOH LD 29 - 6 1/8" & 6 3/4" DC's RU Bull Rogers Casing Crew & R&S Tong Service Torque Turn & Ran 5 1/2" casing (See Casing Detail) - RD Casing Crew, Torque Turn & Laydown Machine RU Halliburton & circulate to clear casing & bottoms up Hall. Cmt. 1st stage (Lead) 500 sx Interfill "H" + 0.3% HR-7 + 5# Gilsonite + 1/4# Flocele, followed by (Tail) 400 sx Super "H"+ 2.5# Salt + 0.4% CFR-3 + 0.5% LAP-1 + .25# D-AIR 3000 + 5# Gilsonite 1/4# Flocele & 0.2% HR-7 - plug down & bumped with 2,100# at 6:00 AM (CST) 11/18/03 - floats held OK - preparing to drop bomb to open DV Tool

11/19/2003

Depth 13,800
Progress 0
Present Operation: Released Rig

AFE: 23542

Dropped bomb & opened DV Tool with 575# at 6:39 AM (CST) 11/18/03 - circulated through DV Tool - No cement circulated from 1st stage - saw Gilsonite & Flocele in the returns Halliburton cemented 2nd stage (Lead) 1450 sx Interfill "C" + 1/4# Flocele, (Tail) 140 sx sx Premium Cement Neat Cement - plug down & closed DV Tool with 3,500# at 2:15 PM (CST) 11/18/03 - held OK - circulated 79 sx cement to pit - BLM was notified, but did not witness job ND & PU BOP - set 5 1/2" casing slips in 194,000# - cut off 5 1/2" casing - LD BOP - installed a 11" 5,000# X 7 1/16" 5,000# tubing head & tested head to 5,000# - OK - jetted & cleaned steel pits - Released Patterson-UTI Rig # 75 @ 8:30 PM (CST) 11/18/03 to go to the Mescalero "29" Federal # 2 RD Rig & making repairs to rig.