Form 3160-5 (November 1994)

N.M. DIV-Dist. 2 1301 W. Grand Avenue UNITED STATES

Oil Cons.

TYPE OF ACTION

Production (Start/Resume)

Temporarily Abandon

Reclamation

Recomplete

DEPARTMENT OF THE INTERIOR TIESIA, NM 88210

FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an

Lease Serial No. NM 0413245

☐ Water Shut-Off

Well Integrity

Other Surface and

Intermediate Casing

	Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.	6. If Indian, Allottee or Tribe Name		
	SUBMIT IN TRIPLICATE - Other Instructions on reverse side	7. If Unit or CA/Agreement, Name and/or No. NMNM 94519		
_	Oil Well Gas Well Other	8. Well Name and No. Black River 10 Fed Com 2		
-	Name of Operator Gruy Petroleum Management Co.	9. API Well No.		
a.	Name of Operator Gruy Petroleum Management Co. Address P. O. Box 140907 Irving, TX 75014-0907 3b. Phone No Vinclude area code 972-401-3110	30-015-32634 10. Field and Pool, or Exploratory Area		
		South Carlsbad; Morrow (Gas)		
	1160' FSL & 1400' FWL SEC 10 - T24S - R26E	11. County or Parish, State Eddy Co., NM		
	12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, RE	PORT, OR OTHER DATA		

☐ Final Abandonment Notice Plug Back Water Disposal Convert to Injection 13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones.

Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

New Construction

Plug and Abandon

03-30-03 Spudded 17-1/2" hole. Drilled to TD of 440.' Ran 10 jts of 13-3/8" casing. Cemented with 340 sx of lead and 150 sx of tail. Circulated 4 bbls cement to pit. WOC 15.5 hours.

Deepen Deepen

Fracture Treat

04-03-03 Drilled to 3203.

TYPE OF SUBMISSION

Subsequent Report

Notice of Intent

Acidize

Alter Casing

Casing Repair

Change Plans

04-04-03 Ran 75 jts of 9.625/40/J/LTC to 3203.' Cement with 1000 sx lead and 235 sx tail. Circulated 25 sx of cement to reserve pit. WOC 9.5 hours.

F	ACCEPTED FOR RECORD				
	JUN 1 6 2003				
	LES BABYAK				
	PETROLEUW ENGINEER				
sistant					

		LES BABYAK	
14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Natalie Krueger	Title Production Ass	Sistant	
Signature Vadalu Kry 1945	Date June 11, 2003		
THIS SPACE FOR FEDERA	AL OR STATE OFF	ICE USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrecrify that the applicant holds legal or equitable title to those rights in the subject which would entitle the applicant to conduct operations thereon.	rant or Office		

Title 18 U.S.C. Section 1001, makes it a 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 representations as to any matter within its jurisdiction.

Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

Well History

March 31, 2003 Thru April 6, 2003

OPERATED

CARLSBAD SOUTH

GRUY PETROLEUM MANAGEMENT CO 76997 BLACK RIVER 10 FEDERAL COM 2 W.I. Pct BCP

55.29 %

W.I. Pct ACP

55.29 %

EDDY, NM

10-T24S-R26E, 1,160' FSL, 1,400' FWL

Morrow / 12,500'

03/31/2003

Depth

440

Progress 440

AFE:

23161

Present Operation: Testing Wellhead

Mix spud mud; spud well & drill to 82', lost complete returns; pull up into conductor & mix 100 bbls of LCM pill; drill f/82' to 255' with 90% returns; WLS @ 208' = 1 deg; drilling from 255' to 440'; CIRC for casing; drop survep tool & TOH; run 10 its of 13-3/8" casing to 440'; CIRC while waiting on cmt trucks to arrive from, Hobbs, NM; cmt with 340 sx of lead, 150 sx of tail, & displace with 27 bbls of FW, did not bump plug, CIRC 4 bbls of cmt to reserve pit; WOC; cut conductor & casing; weld on 13-3/8" wellhead.

04/01/2003

Depth

723

Progress

283

AFE:

23161

Present Operation: Drlg

Test wellhead weld to 500 psi. Good test. Nipple up BOP stack. Weld flow line together. Test blind rams. Make up BHA and trip in hole. Tag cement at 195'. Drill cement from 195' - 440'. Test pipe rams and annular to 500 psi. Test casing to 500 psi. Drilling from 440' - 723' with 15 - 35K WOB and 60

RPM. Daily ROP - 23.5'/hr

04/02/2003

Depth **Progress** 1,340 617

AFE:

23161

Present Operation: Drlg

Drilling from 723' - 749'. WLS at 629' - 1.25 degrees. Drilling from 749' - 1023'. WLS at 951' - 1.5 degrees. Drilling from 1023' - 1310'. WLS at 1237' - 1 degree. Drilling from 1310' - 1340'. Daily ROP -

27.4'/hr / Cum ROP - 26'/hr

04/03/2003

Depth

1,890

Progress

550

AFE:

23161

Present Operation: Drlg

Drlg @ 1890'. Surveys @ 1523' = 3/4 deg & 1809' = 1 deg (taken verbally, computer problems)

04/04/2003

Depth

2,630

Progress

740

AFE: 23161 Present Operation: Drlg

Drlg f/1890' to 2195' with 35K WOB & 60 RPM; WLS @ 2126' = .75 degs; drlg f/2195' to 2630' with

35-50K & 60 RPM; daily ROP 31.5'/hr / Cum ROP 27'/hr.

04/05/2003

Depth **Progress** 3,198

568

23161 AFE:

Present Operation: CIRC for Casing

Drlg f/2630' to 2683' with 55K WOB & 60 RPM; WLS at 2611' = .5 degs; drlg f/2683' to 3198' with

55K WOB & 60 RPM, ran fluid caliper & calculated 1975 cu ft; C&C for casing.

Wednesday, 11 June, 2003

BLACK RIVER 10 FEDERAL COM 2

1

04/06/2003

Depth

3,198

AFE:

Progress

0

23161

Present Operation: PU DCs

Drop survey tool & SLM out of hole for casing; repair high drum chain; LD 8" DC, DP strap was 3205'; RU casers & run 75 jts of 9-5/8"/40/J LT&C to 3203' as per casing strap; CIRC casing; cmt with 1000 sx of lead & 235 sx tail & displace with 240 bbls of FW, bumped plug & float held; CIRC 250 sx of cmt to reserve pit; ND BOP, set slips with 130K, NU WH & NU BOP stack; test BOP stack, manifold & floor valves to 200 & 5000#, tested annular to 200 & 3500#; PU BHA.

Form 3160-5 (November 1994)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135 Expires July 31, 1996

.;				/020	2122232		pites July 31, 1990	
	SUNDR	BUREAU OF LAND MANA Y NOTICES AND REPO	DTC ON W		2122 23 2A 25 2	5. Lease Serial NM 04132		
	Do not use the	nis form for proposals to ell. Use Form 3160-3 (API	drill or to n D) for such p	enter an reposals.	2003 E		lottee or Tribe Name	
S	UBMIT IN TR	IPLICATE - Other instr	uctions on i	neverse side	CHRIES	if Unit or CA	/Agreement, Name and/or No.	
	rational supplies that is the					/ NMNM 945	519	
 Type of Well Oil Well 	☐ Gas Well	Other		TOI 3.0.	-1//	8. Well Name a	and No.	
2. Name of Ope	rator				99160		r 10 Fed Com 2	
	oleum Manag	ement Co.	Ta. ==			9. API Well No		
3a. Address P. O. Box	140907 Irvin	ng, TX 75014-0907		No. (<i>include area</i> -401-3111	code)	30-015-32634 10. Field and Pool, or Exploratory Area		
4. Location of V	Well (Footage, Sec.	., T., R., M., or Survey Description	ı)			South Carlsbad; Morrow (Gas)		
1160' FSL	_ & 1400' FWl	L				11. County or Pa		
						Eddy Co.,	NM	
13	2. CHECK AP	PROPRIATE BOX(ES) TO	O INDICATE	NATURE O	F NOTICE, RE	EPORT, OR O	THER DATA	
TYPE OF SU	JBMISSION			ТҮРЕ О	F ACTION			
Notice of In		Acidize	Deepen Deepen	0	Production (Start/	(Resume)	Water Shut-Off	
~		Alter Casing	☐ Fracture T	reat 🔲	Reclamation		Well Integrity	
Subsequent	Report	Casing Repair	New Cons	_	Recomplete	8 3	Other Set production	
Final Aband	Final Abandonment Notice	Change Plans	Plug and Abandon	_	Temporarily Aba	andon	casing	
		Convert to Injection	Plug Back		Water Disposal			
If the proposa Attach the Bo following con testing has be determined th	al is to deepen dire ond under which the inpletion of the invicen completed. Finant the site is ready	he work will be performed or provolved operations. If the operational Abandonment Notices shall for final inspection.)	ally, give subsurf ovide the Bond l n results in a mu be filed only aft	face locations and No. on file with I ultiple completion	i measured and tru BLM/BIA. Requir n or recompletion i	e vertical depths of red subsequent rep in a new interval, a	and approximate duration thereof. of all pertinent markers and zones. norts shall be filed within 30 days a Form 3160-4 shall be filed once a completed, and the operator has	
04-26-03		II TD of 11950' as per ge	•			6 1 6 5 W W L		
04-29-03	•	of 5.5 P110 casing to 119						
		obond, and 650 sx of Su	per H. No re	eturns. Put 1	100 sx Premiu	m cement aci	ross DV tool.	
	Found TOC	at 5780."						

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Natalie Krueger	Title Production Assistant	•			
Signatura Valadie Villager	Date June 11, 2003				
THIS SPACE FOR FEDER	RAL OR STATE OFFICE U	SE			
Approved by	Title	Date			
Conditions of approval, if any, are attached. Approval of this notice does not wat certify that the applicant holds legal or equitable title to those rights in the subjective which would entitle the applicant to conduct operations thereon.	ort lease Office				

Title 18 U.S.C. Section 1001, makes it a 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 representations as to any matter within its jurisdiction.

Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

Well History

April 7 Thru April 29, 2003

OPERATED

CARLSBAD SOUTH

GRUY PETROLEUM MANAGEMENT CO 76997 BLACK RIVER 10 FEDERAL COM 2

10-T24S-R26E, 1,160' FSL, 1,400' FWL

W.I. Pct BCP 55.29 % W.I. Pct ACP 55.29 %

Morrow / 12,500'

04/07/2003

EDDY, NM

Depth

4.103

Progress

905

AFE:

23161

Present Operation: Drlg

PU BHA & TIH, tag cmt at 3154'; test casing & 1800# for 30 mins, good test, drill FC, cmt, guide shoe & 10' of new formation; close rams & prses up to 350#, held 10.5# EMW; drilling from 3208' to 3595' with 35K WOB & 40 RPM rotary; WLS at 3523' = .5 degs; drlg f/3595' to 4072' with 45K WOB & 45 RPM; WLS at 4000' = .25 degs; drilling f/4072' to 4103' with 45K WOB & 45 RPM.

04/08/2003

Depth

4.940

Progress

837

AFE: 23161

Present Operation: Drlg

Drlg f/4105' to 4580' with 45K WOB & 45 RPM; WLS @ 4500' = 1 deg; drlg f/4580' to 4940' with

40K WOB & 45 RPM.

04/09/2003

Depth

5,540

Progress

600

AFE: 23161 Present Operation: TOH

Drlg f/4940' to 5075' with 40K WOB & 45 RPM; WLS @ 5000' = .75 degs; drlg f/5075' to 5534' with 45K WOB & 45 RPM, ROP slowing down to 23'/hr; WLS @ 5461' = 2 degs; drlg f/5534' to

5540' with 30K WOB & 45 RPM, ROP slowed to 15'/hr.

04/10/2003

Depth

6,060

Progress

520

AFE:

23161

Present Operation: Drlg

TOH for bit & RMR; chg out bit & RMR, both were an eight under gauge; TIH to 5500' & wash 40' to btm; drlg f/5540-5630' with 35K WOB & 45 RPM, fair amt of gas on bottoms up; rig serv; drlg f/5630-5882' with 30K WOB & 45 RPM; WLS at 5776' = 1.5 degs; drlg f/5882-6060' with 40K WOB

& 45 RPM.

04/11/2003

Depth **Progress** 6,836

776

AFE:

23161

Present Operation: Drlg

Drlg f/6060-6410' with 30K WOB & 45 RPM; WLS @ 6276' = .75 degs; drlg f/6410 to 6836' with

40K WOB & 45 RPM; WLS @ 6764' = .5 degs.

Progress

764

AFE: 23161 Present Operation: Drlg

Drilling from 6836' - 7057' with 40K WOB and 45 RPM. Pickup rotatinghead assembly. Drilling from 7057' - 7345' with 40K WOB and 45 RPM. Wireline Survey at 7266' - .75 degrees. Drilling from 7345'

- 7600' with 40K WOB and 45 RPM. Daily ROP - 33.3'/hr / Cum ROP - 31.6'/hr

Wednesday, 11 June, 2003

BLACK RIVER 10 FEDERAL COM 2

04/13/2003 Depth 8,340 **Progress** 740 AFE: 23161 Present Operation: Drlg Drilling from 7600' - 7821' with 40K WOB and 45 RPM. Wireline Survey at 7741' - .5 degrees. Drilling from 7821' - 8310' with 40K WOB and 45 RPM. Wireline Survey at 8226' - 1 degree, Drilling from 8310' - 8340' with 30K WOB and 45 RPM. Daily ROP - 32.17'/hr / Cum ROP - 32'/hr 04/14/2003 8,930 Depth **Progress** 590 AFE: 23161 Present Operation: Tripping for Bit Drilling from 8340' - 8774' with 40K WOB and 45 RPM. Wireline Survey at 8699' - 1.25 degrees. Drilling from 8774' - 8930' with 40K WOB and 45 RPM. Pump slug, drop survey tool, and trip out of hole for bit and check drill collars. Daily ROP - 29'/hr / Cum ROP - 31.6'/hr. 04/15/2003 Depth 9,314 **Progress** 384 AFE: 23161 Present Operation: Drlg Trip out of hole. Change out bit, motor, and IBS. Inspect drill collars and tools. Found no bad connections. Change low gear chain. Trip in hole to 8870'. Ream 60' to bottom. Drilling from 8930' -9314' with 40K WOB and 45 RPM. Daily ROP - 29.5'/hr 9.940 04/16/2003 Depth **Progress** 626 AFE: 23161 Present Operation: Drlg Drilling from 9314' - 9472' with 40K WOB and 45 RPM. Wireline Survey at 9400' - .75 degrees. Drilling from 9472' - 9940' with 40K WOB and 45 RPM. Daily ROP - 26.7'/hr / Cum ROP - 27.7'/hr. 04/17/2003 Depth 10.375 **Progress** 435 AFE: 23161 Present Operation: Drlg DRILL F/ 9940' - 9975'. AVG. ROP - 35 FPH. WOB - 40, RPM - 45, WLS @ 9900' - 1 1/2 DEG. DRILL F/9975' - 10375'. AVG. ROP - 17.8 FPH. WOB - 35/40, RPM - 45. (BEGAN MUDUP AT 10000' - 08:00) BGG - 675 UNITS, MAX GAS - 900 UNITS AT 10020', BURNING 5' - 12' FLARE. 04/18/2003 Depth 10.650 **Progress** 275 AFE: 23161 Present Operation: Drlg DRILL F/ 10375' - 10457'. AVG. ROP - 10.9 FPH. WOB - 40, RPM - 45. WLS @ 10385' - 1 3/4 DEG. AND SERVICE RIG. DRILL F/ 10457' - 10650'. AVG. ROP - 12.5 FPH. WOB - 40, RPM - 45. 04/19/2003 Depth 10,845 **Progress** 195 AFE: 23161 Present Operation: Drlg 10-DRILL F/ 10650' - 10845'. AVG. ROP - 8.1 FPH. WOB - 40. RPM - 45. BGG - 800 UNITS, CG - 0, MAX GAS - 955 BURNING 5' - 12' FLARE. 04/20/2003 Depth 10.907 **Progress** 62 AFE: 23161

Present Operation: Drlg DRILL F/ 10845' - 10876'. AVG. ROP - 6.2 FPH. WOB- 40, RPM - 45. PUMP SLUG AND DROP

TOTCO. TOH FOR NEW BIT. (PU NEW STAB. AND MOTOR) TIH W/ DC'S. CUT AND SLIP DRLG. LINE. TIH. BREAK CIRC. TIH. WASH 40' TO BOTTOM. DRILL F/ 10876' - 10907'. AVG. ROP -

6.2. WOB - 10/40. RPM - 45.

04/21/2003 Depth 11,167 **Progress** 260 AFE: 23161 Present Operation: Drlg DRILL F/ 10907' - 11167'. AVG. ROP - 10.8 FPH. WOB - 40, RPM - 45. **PRESENTLY** BURNING 7' - 10' FLARE. BGG - 576 U, MAX GAS - 933 U @ 11090', NO CONN. GAS. DRLG. BREAK - 11,116 - 11,126' - NO FLUOR, NO SHOW. CHK FOR FLOW - NO FLOW. 04/22/2003 Depth 11,366 **Progress** 199 AFE: 23161 Present Operation: Drlg DRILL F/ 11167' - 11366', AVG, ROP - 8.3 FPH, WOB - 40, RPM - 45. **PRESENTLY** BURNING 5' - 12' FLARE. BGG - 383 U, NO CONN. GAS. SAMPLE @ 11350' - 10% SAND, 30% SHALE, 60% LIME. 04/23/2003 Depth 11,442 **Progress** 72 AFE: 23161 Present Operation: Drlg Drill f/11,366-11,378', AVG ROP 5 FPH WOB 40, RPM 45; chg out rotating head rubber; drill f/11,378 to 11,438', AVG ROP 7.5 FPH WOB 40, RPM 60, slowed to 2 FPH; prepare 10.5 barite slug, repair & drop TOTCO; TOH with bit #5; LD motor, PU same & bit #6; TIH; break circ & circ off gas; TIH; W&R 60' to btm; presently drlg @ 11,442'. 04/24/2003 Depth 11,582 **Progress** 144 AFE: 23161 Present Operation: Drlg Drlg f/11,482 to 11,495' with 40K WOB & 45 RPM; chg out rotating head rubber; drlg f/11,495 to 11,582' with 40K WOB & 45 RPM. 04/25/2003 Depth 11,734 **Progress** 152 AFE: 23161 Present Operation: Drlg Drilling from 11582' - 11734' with 40 - 55K WOB and 45 RPM. Daily ROP - 6.3'/hr / Cum ROP -6.14'/hr 04/26/2003 11.935 Depth **Progress** 201 AFE: 23161 Present Operation: Drlg Drilling from 11734' - 11935' with 45K WOB and 45 RPM. Daily ROP - 8.37'/hr / Cum ROP - 6.88'/hr. Will TD well at 11950' as per geologist. 04/27/2003 Depth 11,950 **Progress** 15 AFE: 23161 Present Operation: Running SFT/GR Drilling from 11935' - 11950' with 55K WOB and 45 RPM. Short trip 20 stands with no drag or fill. Circulate for logs. Had 10' - 12' flare for 10 minutes. Strap out of hole for logs. SLM was 11956'. Rig up Halliburton Loggers and run MGRD, DLLT, FWS, SDL, DSN, and GR from 11958' - 3198'. Run #2 - SFT and GR. Have approximately 2 - 3 hrs of logging remaining. 04/28/2003 11,956 Depth **Progress** AFE: 23161 Present Operation: Running 5-1/2" Casing Finish running SFT log. Rig down loggers. Trip in hole to 6500'. Circulate gas through gasbuster with

Wednesday, 11 June, 2003

10 - 15' flare. Trip in hole to 11956'. Circulate and condition mud. Had 20 - 25' flare for 35 minutes. Decreased to 6 - 8' afterwards. Laydown drill pipe. Breakdown kelly and pull rotatinghead rubber.

Laydown drill collars. Pull wearbushing and rig up casing crew. Makeup float equipment and run 5.5" casing. Have run approximately 180 its at report time.

04/29/2003

Depth

11,956

Progress

23161 AFE:

Present Operation: Released Rig

Run casing to 11956' and tag bottom with no fill. Circulate and condition for cement job. Flare up to 25' for 30 minutes and slowly dropped off to 6'. Cement first stage with 100 sx of Interfill "H", 300 sx Interfill "H" w/ microbond, and 650 sx of Super H Displace with 120 bbls of FW and 156 bbls of drilling mud. Bumped plug and floats held. Drop bomb to open DV tool. Cementer fell asleep while waiting on bomb to seat and was 25 minutes late opening tool. Pressure up to 1300 psi and tool opened. Pressure was steady at 900 psi, but did not have returns to flowline. Pumped 200 bbls and shut in. Casing pressure did not drop below 800 psi. Clean steel pits while waiting on 100 sx of Premium cement to put across DV tool. Pump 100 sx Premium cement and displace with 163 bbls of FW. Final pressure was 2000 psi and landed plug at 3100 psi to close DV tool. Left 1800 psi on casing to ensure no fluid movement while cement across DV tool set up. Nipple down BOP stack and set slips with string weight of 185K. Finish cleaning steel pits. Cut casing, set out BOP stack, and nipple up Tubinghead. Test to 3000 psi. Release rig at 0230 hrs on 4/29/03. Will move rig to Mobil "12" Fed Com 2 this morning

Natalie Krueger

From:

Zeno Farris

Sent:

Wednesday, June 11, 2003 2:30 PM

To:

Natalie Krueger

Subject:

FW: Blackriver 10 Fed Com 2

Is that where they say they tagged it? Duh!!

----Original Message----

From:

Tom Strother

Sent:

Wednesday, June 11, 2003 2:25 PM

To:

Zeno Farris

Subject:

RE: Blackriver 10 Fed Com 2

5780'

----Original Message-----

From:

Zeno Farris

Sent:

Wednesday, June 11, 2003 2:21 PM

To:

Tom Strother

Subject:

Blackriver 10 Fed Com 2

Tom what did the TOC for the production string end up being for the Blackriver 10 Fed Com 2. Thanks