

Submit 3 Copies  
to Appropriate  
District Office

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-103  
Revised 1-1-89

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

**OIL CONSERVATION DIVISION**  
310 Old Santa Fe Trail, Room 206  
Santa Fe, New Mexico 87503

WELL API NO. 30-015-32560
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. Lease Name or Unit Agreement Name  Gulf Federal Com
2. Name of Operator Gruy Petroleum Management Co.	
3. Address of Operator P. O. Box 140907, Irving TX 75014-0907	8. Well No. 4
4. Well Location Unit Letter <u>D</u> : <u>660'</u> Feet From The <u>North</u> Line and <u>660'</u> Feet From The <u>West</u> Line Section <u>6</u> Township <u>23S</u> Range <u>27E</u> NMPM Eddy County	9. Pool name or Wildcat Carlsbad; Morrow (South)
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3258' GR	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>		CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <input type="checkbox"/>		OTHER: Set production casing <input checked="" type="checkbox"/>	

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

- 11-30-03 Ran 263 jts 5-1/2" 17# P&N LTC casing to 11986.' Cemented 1st stage with 500 sx Interfill "H," 550 sx Super "H." Circulated 25 sx to reserve pit.
- 12-01-03 Cemented 2nd stage with 500 sx Interfill "C," 100 sx Premium Plus. Found TOC at 600.' Released rig to Pennzoil 9 Federal Com 4.

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

SIGNATURE Natalie Krueger TITLE Production Assistant DATE 01-21-04  
TYPE OR PRINT NAME Natalie Krueger TELEPHONE NO. 972-401-3111

(This space for State Use)

Jim W. Gunn

SUPERVISOR, DISTRICT II

JAN 29 2004

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

# Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

## Well History

October 30, 2003 Thru December 1, 2004

### OPERATED

#### CARLSBAD SOUTH

GRUY PETROLEUM MANAGEMENT CO

77195 GULF FEDERAL COM 4

EDDY, NM

Sec 6, T23S, R27E 660'FNL & 660'FWL

W.I. Pct BCP 94.06 %

W.I. Pct ACP 94.06 %

Morrow / 12,300'

10/30/2003 Depth 4,420

Progress 1,215

AFE: 23634 Present Operation: Drlg

Test csg 1500#, test ok; drill cmt & 5' new formation; test formation 350#, EMW 10.5 ppg; drill f/3210' to 3279', avg ROP 138 FPH, WOB 20, RPM 50; chg out kelly hose & serv rig; drill f/3279' to 3793', avg ROP 60.5 FPH, WOB 40, RPM 45; WLS @ 3705 = 1 deg; drill f/3793' to 4270', avg ROP 53 FPH, WOB 40, RPM 45; WLS @ 4200' = 3/4 deg; drill f/4270' to 4420', avg ROP 50 FPH, WOB 40, RPM 45.

10/31/2003 Depth 5,350

Progress 930

AFE: 23634 Present Operation: Drlg

Drill f/4420' to 4747', avg ROP 42.2 FPH, WOB 40, RPM 45; WLS @ 4677' = 1/2 deg; drill f/4747' to 5319', avg ROP 46.7 FPH, WOB 40, RPM 45; WLS @ 5248', avg ROP 36 FPH, WOB 40, RPM 45; hit air pocket - hole unloaded, CIRC & monitor hole, bringing MW up to 8.7 w/BW to drill with, hole calming down & pump press increasing; drill f/5328' to 5350', avg ROP 44 FPH, WOB 40, RPM 45; presently drlg ahead, monitoring hole, becoming stable.

11/01/2003 Depth 5,722

Progress 372

AFE: 23634 Present Operation: Reaming 180' to Btm

DRILL F/ 5350' - 5722'. AVG. ROP - 26.1 FPH. WOB - 40, RPM - 65. CIRC., PUMP 25 BBL SLUG., DROP TOTCO. TOH FOR NEW BIT. LD BIT, 3 PT. RR, MOTOR AND MU SAME. TIH. WASH AND REAM 180' TO BOTTOM. NOTE: BACK TO DRLG. AT 5:30 AM.

11/02/2003 Depth 6,425

Progress 703

AFE: 23634 Present Operation: Drlg

WASH AND REAM TO BOTTOM. DRILL F/ 5722' - 6210'. AVG. ROP - 54.2 FPH. WOB - 40, RPM - 45. WLS @ 6140' - 3 DEG. DRILL F/ 6210' - 6401'. AVG. ROP - 16.6 FPH. WOB - 25, RPM - 45. WLS @ 6330' - 3 1/4 DEG. DRILL F' 6401' - 6425'. AVG. ROP - 12 FPH. WOB - 15, RPM - 45.

11/03/2003 Depth 6,659

Progress 234

AFE: 23634 Present Operation: Drlg

DRILL F/ 6425' - 6558'. AVG. ROP - 8.9 FPH. WOB - 15, RPM - 55. WLS @ 6483' - 2 3/4 DEG. DRILL F/ 6558' - 6659'. AVG. ROP - 11.9 FPH. WOB - 20, RPM - 55.

11/04/2003 Depth 7,015

1/21/04

GULF FEDERAL COM 4

AFE:	23634	Progress 356 Present Operation: Drlg
		Drill f/6659' to 6749', avg ROP 12.9 FPH, WOB 20, RPM 55; WLS @ 6679' = 1-3/4 deg; drill f/6749' to 6938', avg ROP 18 FPH, WOB 20, RPM 55; WLS @ 6868' = 1-3/4 deg; drill f/6938' to 7015', avg ROP 14 FPH 20, RPM 55.
11/05/2003		Depth 7,435 Progress 420
AFE:	23634	Present Operation: Running WLS
		DRILL F/ 7015' - 7131'. AVG. ROP - 13.7 FPH. WOB - 20, RPM - 55. WLS @ 7061' - 1 1/2 DEG. DRILL F/ 7131' - 7420'. AVG. ROP - 19.9 FPH. WOB - 25, RPM - 50. WLS @ 7349' - 2 DEG.
11/06/2003		Depth 7,612 Progress 192
AFE:	23634	Present Operation: Drlg
		DRILL F/ 7420' - 7492'. AVG. ROP - 14.4 FOH. WOB - 20, RPM - 55. PUMP SLUG, DROP TOTCO AND TOH FOR NB. (TOTCO - MISRUN). TRIP CHECK DC'S - ALL OK. MU BIT #5, MOTOR, PU NEW IBS AND TIH. WASH AND REAM 60' TO BOTTOM. DRILL F/ 7492' - 7579'. AVG. ROP - 15.1 FPH. WOB - 20, RPM - 55. WLS @ 7504' - 1 1/4 DEG. DRILL F/ 7579' - 7612'. AVG. ROP - 26.4 FPH. WOB - 25, RPM - 55. PRESENTLY BURNING 2' - 4' FLARE.
11/07/2003		Depth 7,990 Progress 378
AFE:	23634	Present Operation: Drlg
		DRILL F/ 7612' - 7738'. AVG. ROP - 18 FPH. WOB - 25, RPM - 55. WLS @ 7668' - 2 1/4 DEG. DRILL F/ 7738' - 7990'. AVG. ROP - 15.5 FPH. WOB - 15, RPM - 55.
11/08/2003		Depth 8,350 Progress 360
AFE:	23634	Present Operation: Drlg
		DRILL F/ 7990' - 7992'. AVG. ROP - 4 FPH. WOB - 20, RPM - 55. WLS @ 7918' - 1 3/4 DEG. DRILL F/ 7992' - 8246'. AVG. ROP - 19.2 FPH. WLS @ 8171' - 2 3/4 DEG. DRILL F/ 8246' - 8350'. AVG. ROP - 10.9 FPH. WOB - 15, RPM - 55.
11/09/2003		Depth 8,660 Progress 310
AFE:	23634	Present Operation: Drlg
		DRILL F/ 8350' - 8405'. AVG. ROP - 8.5 FPH. WOB - 12, RPM - 55. WLS @ 8335' - 2 1/4 DEG. DRILL F/ 8405' - 8564'. AVG. ROP - 14.5 FPH. WOB - 22, RPM - 55. WLS @ 8493' - 1 3/4 DEG. DRILL F/ 8564' - 8660'. AVG. ROP - 18.3. WOB - 30, RPM - 50.
11/10/2003		Depth 9,100 Progress 440
AFE:	23634	Present Operation: Drlg
		Drilling from 8660' - 8754' with 30K WOB and 50 RPM. Wireline Survey at 8679' - 1 degree. Drilling from 8754' - 8945' with 40K WOB and 50 RPM. Wireline Survey at 8870' - 1 degree. Drilling from 8945' - 9100' with 40K WOB and 50 RPM. Daily ROP - 19.7'/hr.
11/11/2003		Depth 9,365 Progress 265
AFE:	23634	Present Operation: Drlg
		Drilling from 9100' - 9136' with 40K WOB and 50 RPM. Rig Service. Drilling from 9136' - 9231' with
1/21/04		GULF FEDERAL COM 4

11/12/2003	Depth	9,707
	Progress	342
AFE: 23634	Present Operation:	Running Wireline Survey

11/13/2003	Depth	9,960
	Progress	253
AFE:	23634	Present Operation: Drlg

11/14/2003	Depth	10,031
	Progress	71
AFE:	23634	Present Operation: Drlg

11/15/2003	Depth	10,248
	Progress	217
AFE: 23634	Present Operation:	Drilling

11/16/2003	Depth	10,365
	Progress	117
AFE: 23634	Present Operation:	Drilling

11/17/2003	Depth	10,476
	Progress	111
AFE: 23634	Present Operation:	TRIPPING IN HOLE

1/21/04

Circulate samples in drilling break from 10456' - 10463'. Will trip for BHA change. Pump slug and trip out of hole for BHA change. Trip in hole to 6000' and break circulation. Continue tripping in hole.

11/18/2003	Depth	10,680
	Progress	204
AFE: 23634	Present Operation:	Drlg
<p>Trip in hole to 10400'. Wash 76' to bottom with no fill. Drilling from 10476' - 10501' with 25K WOB and 60 RPM. Rig Service. Drilling from 10501' - 10564' with 25K WOB and 60 RPM. Wireline Survey at 10489' - 3.5 degrees. Drilling from 10564' - 10659' with 25K WOB and 60 RPM. Wireline Survey at 10584' - 3 degrees. Drilling from 10659' - 10680' with 25K WOB and 60 RPM. Daily ROP - 10.6'/hr. BGG - 600u / Survey Gas - 1680u / 10485' - 10494' Drilling break w/ 980u / Flare steady at 6 - 8'.</p>		
11/19/2003	Depth	10,928
	Progress	248
AFE: 23634	Present Operation:	Drlg
<p>Drilling from 10680' - 10755' with 30K WOB and 60 RPM. Rig Service. Drilling from 10755' - 10913' with 35K WOB and 60 RPM. Wireline Survey at 10838' - 2 degrees. Drilling from 10913' - 10928' with 40K WOB and 60 RPM. Daily ROP - 10.9'/hr.</p>		
11/20/2003	Depth	11,191
	Progress	263
AFE: 23634	Present Operation:	Drlg
<p>Drilling from 10928' - 10945' with 40K WOB and 70 RPM. Rig Service. Drilling from 10945' - 11191' with 40K WOB and 70 RPM. Daily ROP - 11.08'/hr Adding starch to system for WL slowed ROP down to 5'/hr.</p>		
11/21/2003	Depth	11,258
	Progress	67
AFE: 23634	Present Operation:	Drlg
<p>Drilling from 11191' - 11202' with 40K WOB and 70 RPM. Bit locked up and stalled rotary. Circulate and condition mud for trip. Trip out of hole with 20 - 25K drag. Hole in good shape. Change out bits and laydown mudmotor. Trip in hole to 6000', break circulation, and trip in hole to 11115'. Ream 87' to bottom. No fill on bottom. Drilling from 11202' - 11258' with 45K WOB and 65 RPM. 6.22'/hr</p>		
11/22/2003	Depth	11,389
	Progress	131
AFE: 23634	Present Operation:	Drilling
<p>Drilling from 11258' - 11389' with 40K WOB and 65 RPM. Daily ROP - 5.5'/hr Lost 184 bbls of mud in last 24 hrs to trip and seepage. Built volume in steel pits.</p>		
11/23/2003		
Maintenance		
AFE: 23634	Present Operation:	Drilling
<p>Drilling from 11389' - 11402' with 40K WOB and 65 RPM. Change out rotatinghead rubber and service rig. Drilling from 11402' - 11428' with 40K WOB and 65 RPM. Bit slowed down to 20 min/ft and samples have large amount of chert and some iron pyrite in them. Circulate bottoms up while mixing slug and drop survey tool. Trip out of hole for bit. Hole in good shape with drag at 15 - 25K. Change out bit and check RMR and Stabilizer. Bit in gauge, but bald. Trip in hole to casing shoe. Cut drilling line 144'. Trip in hole to 6000'. Break circulation. Trip in hole to 11348'. Wash 80' to bottom. Fan bottom to remove any junk from previous bit. Drilling from 11428' - 11468' with 40K WOB and 65 RPM. Penetration at 5.7'/hr up to 0500 hrs, but has slowed to 2'/hr since. BGG - 357u / Trip Gas - 1570u / Flare at 20 - 25' on bottoms up and 2 - 4' intermitted while drilling.</p>		
11/24/2003	Depth	11,502
	Progress	34
1/21/04		

AFE:	23634	Present Operation: Mixing LCM pill
		Drilling from 11468' - 11477' with 40K WOB and 65 RPM. ROP went from 5'/hr down to 1.5'/hr. Mud samples showed Lime, Sand, and free iron pyrite. Had drilled good percentage of chert in previous samples. Last foot drilled took 45 minutes. Pump slug for trip out of hole. Used 50 sx of barite in slug pit. Trip out of hole to look at bit. Bit was in good shape and looked as if it had been "tracking". Pick up bit, motor and trip in hole to 6000'. Break circulation. Trip in hole to 11477'. Drilling from 11477' - 11502' with 30 - 40K WOB and 50 RPM. Started drilling at 2'/hr and picked up to 4'/hr in last 10'. Had 2 minute foot at 11501' and lost returns. Presently mixing LCM pill to spot on bottom and build volume. Mud weight had come up to 10.1ppg.
11/25/2003		Depth 11,693 Progress 191
AFE:	23634	Present Operation: Drilling
		Mix LCM pill and spot outside Drillstring. Transfer 200 bbls of whole mud from frac tanks and build volume in steel pits. LCM pill had 15#/bbl of Premium Seal Course. Pull 30 stands. Build volume in steel pits. Took 30 bbls to fill annulus. Pumped down drillstring and gained returns. Circulate and condition mud while building volume at 9.6 ppg. Trip in hole 15 stands and break circulation with full returns. Trip in hole to bottom. Drill ahead to 11560' bypassing shale shaker and then started shaking out LCM and adding 2 sx/hr to suction pit. Drill ahead losing approximately 2 bbls/hr to seepage. Pump running at 110 strokes with 45K WOB.
11/26/2003		Depth 11,873 Progress 180
AFE:	23634	Present Operation: Drilling
		Drilling from 11693' - 11752' with 45K WOB and 50 RPM. Rig Service. Wireline Survey at 11682' - 1.75 degrees. Drilling from 11752' - 11873' with 45K WOB and 50 RPM. Daily ROP - 7.8'/hr.
11/27/2003		Depth 12,000 Progress 127
AFE:	23634	Present Operation: Trip Out for Logs
		Drilling from 11873' - 12000' with 45K WOB and 70 RPM. TD well at 12000' as per geologist. Pump slug and short trip 20 stands. Trip in hole. Circulate and condition mud for logs. Drop survey tool, pump slug, and trip out of hole for logs.
11/28/2003		Depth 12,000 Progress 0
AFE:	23634	Present Operation: Logging Out on 4th Run
		Strap out of hole for logs. SLM - 11995' TD. Run log # 1 to 9800' and log stopped. Attempted to spud through, but would not go. Pull out of hole. Broke down tools and run in with Dual Lateral log and Microguard to 11986' and log out to Csg shoe. Ran Density Neutron from 11986' to surface. Ran RFT log from TD - 10210'. Last log will be Full Wave Sonic. Hole taking approximately .5 bbls/ hr.
11/29/2003		Depth 12,000 Progress 0
AFE:	23634	Present Operation: Rigging Up to Run Casing
		Ran Full Wave Sonic from 11986' - 8500'. Trip in hole with BHA and 20 stands of DP. Cut drilling line. Trip in hole to 6000'. Circulate and condition. Flare up to 25' for 15 minutes. Trip in hole to 11866'. Wash 120' to bottom. No fill on bottom. Circulate gas out of wellbore. Bottoms up gas was 30' - 40' for one hour and slowly diminished to 6' - 8' until last half hour. Circulated wellbore clean. LDDP to Drill Collars. Breakout kelly. Laydown Drill Collars. New hands on morning tour slowing progress down. Rig up casing crew and torque turn unit.
11/30/2003		Depth 12,000 Progress 0
1/21/04		

AFE: 23634 Present Operation: CIRC Through DV Tool

Ran 263 jts of 5.5/17/P&N/LTC casing to 11986' with high drum clutch out on rig. Picking up pipe was very slow during casing running operations. Torque Turn computer quit 40 joints from bottom, elevators had to be serviced, and tong unit ran out of fuel during job. Tagged bottom at 11986' and had no fill. Circulate and condition with full returns. Rig up Halliburton to cement. Cement with 500 sx of Interfill "H", 550 sx Super "H", and displace with 282 bbls of FW. Had full returns during job and land plug with 2190 psi. Drop ball and opened tool with 550 psi. Circulated 25 sx of cement to reserve pit and continue circulating while waiting on first stage to set.

12/01/2003  
AFE: 23634  
Depth 12,000  
Progress 440  
Present Operation: Rigging Down

Rig up Halliburton and have safety meeting. Pump 24 bbls Superflush, 15 bbls FW, 750 sx Interfill "C", 100 sx Premium Plus, and displace with 161.7 bbls of FW. Landed plug at 1300 psi and closed tool at 2900 psi. Had good returns during job, but did not circulate cement Nippled down BOP stack, set slips at 200K, cut off casing, and pull BOP out. Nipple up tubinghead and test to 5000 psi. Clean steel pits. Release rig to Pennzoil "9" Fed Com # 4 at 1600 hrs on 11/30/03. Moved approximately 1200 BBLS of 9.9 ppg XCD / BW mud to "Allied" well and put in steel pits.