#### Form 3160-5 (November 1994)

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

Oil Cons.

N.M. DIV-Dist. 2

UNITED STATES 1301 W. Grand Avenue
DEPARTMENT OF THE INTERIOR Artesia, NM 88210

PURE ALL OF LAND MANAGEMENT. Artesia, NM 88210

BUREAU OF LAND MANAGEMENT  SUNDRY NOTICES AND REPORTS ON WELLS  Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.						<ul><li>5. Lease Serial No. NM 15295</li><li>6. If Indian, Allottee or Tribe Name</li></ul>			
					6. If India				
SUBMIT IN TR	IPLICATE - Other instr	uctions on i			7. If Unit	or CA	/Agreement, Name ar	id/or No.	
<ol> <li>Type of Well</li> <li>☐ Oil Well</li> <li>☐ Gas Well</li> </ol>	7.04		П.	ECEIVED	9 Wall N		nd No		
2. Name of Operator			N		8. Well Name and No. C & K Federal 3				
Gruy Petroleum Management Co.			OCI	9. API W	9. API Well No.				
3a. Address P. O. Box 140907 Irvir	3b. Phone N	3b. Phone No. (include area code) 972-401-3111			30-015-32947  10. Field and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)			401 0111	<del></del>			; Penn (Gas)	•	
1200' FNL & 1400' FEL Sec. 8 T24S - R26E						11. County or Parish, State Eddy Co., NM			
12. CHECK AF	PPROPRIATE BOX(ES)	O INDICATE	E NATURE	OF NOTICE,	REPORT, O	R O	THER DATA	٧	
TYPE OF SUBMISSION			TYPE	OF ACTION					
Notice of Intent	Acidize	Deepen Deepen		Production (S	tart/Resume)		Water Shut-Off		
<b>X</b>	Alter Casing	Fracture T	reat [	Reclamation		ā	Well Integrity		
Subsequent Report	Casing Repair	New Cons				X	Other Set surfactintermediate ca		
☐ Final Abandonment Notice	Change Plans Convert to Injection	Plug and A		Temporarily  Water Dispos		pandon intermediat			
9-13-03 Spudded well 9-14-03 Cemented will sx cement to 9-17-03 TD intermedia	. Ran 7 jts 13-3/8" 54.5 th 150 sx 13.7# Prem Le reserve pit. WOC 17 hi ate hole. Ran 45 jts 9-5/ II C & 200 sx Prem Plus ture survey and found to	J55 STC cas ead, 150 sx 14 s. 8" 40 NS 110	ing to 308. 4.8# Prem HC LTC corrices	Tail and 41.5 asing to 192 in pressure. to surface w	bbl FW dis 8.' Cement ith 778 sx ce	place with emer	ement. Circulate	ed 45 pic,	
14. I hereby certify that the foregoing is true and correct					LE	S BA	BYAK I ENGINEER		
Name ( <i>Printed/Typed)</i> Natalie Krueger			Production Assistant						
Şignature //	<del>,</del>		Date						
Datalu Br	wiger		Octobe	er 21, 2003	<del></del>				
	/ THIS SPACE	FOR FEDERA	AL OR STA	TE OFFICE U	SE				
Approved by	<del></del>		Title			Date			
Conditions of approval, if any, are certify that the applicant holds leg which would entitle the applicant to	al or equitable title to those rig	ice does not warr thts in the subject	rant or Office	B	····				

# Gruy Petroleum Management Co.

Magnum Hunter Production, Inc.

## **Well History**

Sec 8, T24S, R26E

September 13, 2003 Thru September 18, 2003

## **OPERATED**

### WHITE CITY PROSPECT

**GRUY PETROLEUM MANAGEMENT CO** 

67.41 % 33.70 %

77154 C & K FEDERAL #3

W.I. Pct ACP Morrow / 12.000'

W.I. Pct BCP

EDDY, NM 09/13/2003

Depth 308

Progress

308

AFE:

23395

Present Operation: Cementing Surface Casing

RU, mix spud mud, haul water; drlg f/58' to 308', very hard drilling down to 270' then took off drilling at 30'/hr; CIRC sweep around for trip out of hole; TOH; RU casing crew & run 7 jts 13-3/8"

54.5 J55 STC casing to 308'; CIRC casing on btm & RU Hall to cmt.

09/14/2003

Depth

410

**Progress** 

102

AFE:

23395

Present Operation: Drlg

CIRC & hook up Hall; cmt with 150 sx of 13.7# Prem Lead, 150 sx of 14.8# Prem Tail & 41.5 bbls of FW

displacement, bumped plug & float held, CIRC 45 sx cmt to reserve pit; wait on cmt & clean out

flowline; cut conductor & casing, weld on wellhead & test to 500#; NU BOP stack, manifold & flowline; test blind rams & casing to 500#; PU bit, motor, RMR, DC, IBS, shock sub & DCs, TIH to 250' & tag cmt; drill cmt to top of float collar at 265' & CIRC clean; test pipe rams & annular preventer to 500#; drill

float collar, hard cmt & shoe at 308'; drilling new formation to 410'.

09/15/2003

Depth

815

**Progress** 

405

AFE:

23395

Present Operation: LDDP used to Cmt/Tag Cmt

Drlg f/410' to 705' with 45K WOB & 50 RPM, lost returns at 615' & dry drill to 705', pump 90 bbls of 15#/bbl LCM with no returns, ran o9ut of water; TOH; LD motor & IBS, TIH with bit & RMR; dry drilling from 705' to 815' with no returns, no hole problems otherwise, Hall showed up with cmt; TOH; PU 18 its of DP to cmt, set DP at 580'; pump 300 sx of Class C with 10# gilsonite, 10# calseal, 2% CACL2 & 5# flocele; pull DP out of hole; wait on cmt to set; TIH with DP & tag cmt at 600', LDDP; presently - TIH

with drlg assy.

09/16/2003

Depth **Progress**  1,576 761

AFE:

23395

Present Operation: Dry Drlg

LDDP & TIH with BHA; W&R through cmt f/600' to 815', lost returns at 620' & regained at 680'; LD 4 its of DP & run remainder of DC in derrick; drlg f/815' to 1004' with full returns, lost cirulation at 1004' & dry drill to 1196'; work stuck pipe loose on connection, sweep hole with 60 bbls of high visc mud; drlg f/1196' to 1241'; WLS at 1156' = 1 deg; drlg f/1241' to 1471' with no returns pumping 25 bbls of mud every other conn; work stuck pipe on conn at 1471'; drlg with no returns from 1471' to 1576' pumping 25 bbls of mud sweep every conn, have had no other problems with drag.

09/17/2003

Depth

**Progress** 

1.935 359

AFE:

23395

Present Operation: Wait to Run Temp Survey

Dry drlg f/1576' to 1618', began losing volume in pits; pull up & rotate while waiting on water truck drivers to chg out; WLS at 1548' = .5 degs; dry drlg from 1618' to 1694', sweeping hole on every conn; rig service; drlg drlg from 1694' to 1935', TD intermediate hole; sweep hole with high visc pill; TOH to 8" DC; RU LD machine; LD 8" DC, motor & bit; RU casers; run 45 its of 9-5/8" 40 NS110HC LTC casing to 1928', tag fill on btm; wash to btm at 1935'; RU Hall & cmt with 500 sx Thixatropic, 500 sx interfill C & 200 sx Prem Plus; did not have any returns or increase in press, bumped plug & held, notified BLM; wait on cmt to set, WL truck to run temp survey at 0730 hrs.

09/18/2003

Depth

1.935

**Progress** 

AFE:

23395

Present Operation: NU BOP

ND BOP stack & hang off; ran temp survey & found cmt top at 1008'; unload & PU hydril one inch tubing & RIH to hard tag at 743'; cmt with 100 sx of Prem Plus w/3% CACL2, no returns, BLM reps on loc; pull one inch & wait one hr for second one inch job; tag up at 503' & cmt w/200 sx of Prem Plus w/3% CACL2, no returns; ordered 300 sx of cmt, wait 3 hrs & run one inch in hole, dumped several buckets of gravel down annulus as OK'd by BLM reps, tagged up at 100'; cmt with 150 sx of Prem Plus w/3% CACL2, no returns; wait on cmt to set while dumping buckets of pea gravel down annulus, centered [ofe om WH; ran one inch to 40' & cmt with 28 sx of Prem Plus w/3% CACL2, CIRC 10 sx to surface; set slips & cut off 9-5/8" casing; NU WH & test seals to 2000#, PU BOP & set on WH; NU BOP stack & choke manifold.