

0445

Lara

8106

N.M. Oil Cons. DIV-Dist 2
SUBMIT IN TRIPLICATE

FORM APPROVED

OMB NO. 1004-0136

Expires: February 28, 1995

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

5. LEASE DESIGNATION AND SERIAL NO.
NM 0441951-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME, WELL NO.
White City 31 Federal No. 2

9. API WELL NO.
30-015-33394

10. FIELD AND POOL, OR WILDCAT
White City; Penn

11. SEC. T., R., M., BLOCK AND SURVEY
OR AREA
Sec. 31 T24S R26E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

1a. TYPE OF WORK
DRILL DEEPEN

1b. TYPE OF WELL
OIL WELL GAS WELL SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
Gruy Petroleum Management Co.

3. ADDRESS AND TELEPHONE NO.
P.O. Box 140907 Irving TX 75014 972-401-3111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
SHL 2150 FSL & 1700' FWL BHL 1650' FSL & 1500' FWL
SUBJECT TO LIKE APPROVAL BY STATE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
17 miles South of Carlsbad

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, T.O (Also to nearest drlg. unit line, if any) 1500 BHL

16. NO. OF ACRES IN LEASE 920

17. NO. OF ACRES ASSIGNED TO THIS WELL 640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2334'

19. PROPOSED DEPTH 13000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3493' GR CARLSBAD CONTROLLED WATER BASIN

22. APPROX. DATE WORK WILL START* 06-01-04

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	J-55 13 3/8"	54.5 #	400' WITNESS	490 sx circulate
12 1/4"	NS-110 9 5/8"	40 #	3200'	1200 sx circulate
7 7/8"	N-80/P-110 5 1/2"	17 #	13000'	1620 sx TOC 2700'

From the base of the surface pipe through the running of production casing, the well will be equipped with a 5000 - psi BOP system. We are requesting a variance for the 13 3/8" surface casing and BOP testing from Onshore Order No. 2, which states all casing strings below the conductor, shall be pressure tested to .22 psi per foot or 1500 # whichever is greater, but not to exceed 70% of the manufactures stated maximum internal yield. During the running of the surface pipe and the drilling of the intermediate hole we do not anticipate any pressures greater than 1000 # and are requesting a variance to test the 13 3/8" casing and BOP system to 1000 # psi, and use rig pumps instead of an independent service company.

IN ABOVE SPACE, DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Zero Farris* TITLE Mgr. Ops. Admin DATE 03-3-04

PERMIT No. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:
APPROVED BY /s/ Joe G. Lara TITLE ACTING FIELD MANAGER DATE 12 APR 2004

*See Instructions On Reverse Side

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.

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

APPROVAL FOR 1 YEAR



Gruy Petroleum Management Co.

600 East Las Colinas Blvd. • Suite 1100 • Irving, TX 75039 • (972) 401-3111 • Fax (972) 443-6450
Mailing Address: P.O. Box 140907 • Irving, TX 75014-0907

A wholly-owned subsidiary of Magnum Hunter Resources, Inc., a NYSE company MHR

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Bureau of Land Management
2909 West 2nd Street
Roswell New Mexico 88201-2019
Attn: Ms. Linda Askwig

Gruy Petroleum Management Co. accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land, or portion thereof, as described below:

Lease No.: LC - 0441951

Legal Description: All Sec 31, T24S-R26E
Containing 640 acres, Eddy County New Mexico

Formation (S): Morrow/Pennsylvanian

Bond Coverage: Nationwide BLM Bond

BLM Bond File No.: NM 2575

Authorized Signature: Zeno Farris
Representing Gruy Petroleum Management Co.

Name: Zeno Farris

Title: Manager, Operations Administration

Date: 03/03/04

Application to Drill

Gruy Petroleum Management Co.
White City 31 Federal No. 2
Unit Letter K Section 31
T24S - R26E Eddy County, NM

In response to questions asked under Section II B of Bulletin NTL-6 the following information is provided for your consideration:

- 1 Location: SHL 2150' FSL & 1700' FWL
BHL 1650' FSL & 1500' FWL
- 2 Elevation above sea level: GR 3493'
- 3 Geologic name of surface formation: Quaternary Alluvium Deposits
- 4 Drilling tools and associated equipment: Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
- 5 Proposed drilling depth: 13000'

6 Estimated tops of geological markers:

T/Salt	250'	Cisco Canyon	9928
B/Salt	800'	Strawn	10078
Delaware	1450	Atoka	10388
Bone Spring	6168	Morrow	11,158
Wolfcamp	8098	Barnett	11,768

7 Possible mineral bearing formation:

Strawn	Gas
Atoka	Gas
Morrow	Gas

8 Casing program:

Hole Size	Interval	Casing OD	Weight	Thread	Collar	Grade
17 1/2"	0-400'	13 3/8"	54.5	8-R	ST&C	J-55
12 1/4"	0-3200'	9 5/8"	40	8-R	ST&C	NS-110
7 7/8"	0-13000'	5 1/2"	17	8-R	ST&C	N-80 / S-95

Application to Drill

Gruy Petroleum Management Co.
 White City 31 Federal No. 2
 Unit Letter K Section 31
 T24S - R26E Eddy County, NM

9 Cementing & Setting Depth:

13 3/8"	Surface	Set 400' of 13 3/8" J-55 54.5 ST&C casing. Cement with 490 Sx. Of Class "C" cement + additives, circulate cement to surface.
9 5/8"	Intermediate	Set 3200' of 9 5/8" NS-110 40# ST&C casing. Cement in two stages, first stage cement with 1000 Sx. Of Class POZ/C Cement + additives, second stage cement with 500 Sx. Of Class "C" + additives, circulate cement to surface.
5 1/2"	Production	Set 13000' of 5 1/2" NP-80 / S-95 17# ST&C casing. Cement in two stages, first stage cement with 1020 Sx. of Class POZ/C Cement + additives. Second stage cement with 600 Sx of Class "C" Estimated top of cement 2700'.

10 Pressure control Equipment:

Exhibit "E". A 13 3/8" 5000 PSI working pressure B.O.P. consisting of one set of blind rams and one set of pipe rams and a 5000 # annular type preventer. A choke manifold and 120 gallon accumulator with floor and remote operating stations and auxiliary power system. Rotating head below 6000'. A kelly cock will be installed and maintained in operable condition and a drill string safety valve in the open position will be available on the rig floor. BOP unit will be hydraulically operated. BOP will be nipped up on the 9 5/8" casing and will be operated at least once a day while drilling and the blind rams will be operated when out of hole during trips. No abnormal pressure or temperature is expected while drilling.

11 Proposed Mud Circulating System:

Depth	Mud Wt	Viscosity	Fluid Loss	Type Mud
0 - 400'	8.4 - 8.6	30 - 32	May lose circ.	Fresh water spud mud add paper to control seepage and high viscosity sweeps to clean hole.
400' - 3200'	9.7 - 10.0	28 - 29	May lose circ.	Brine water. Add paper as needed to control seepage and add lime to control pH (9-10). Use high viscosity sweeps to clean hole.
3200' - 8300'	8.4 - 9.9	28 - 29	NC	Fresh water. Paper for seepage. Lime for pH (9 - 9.5)
8300' - 10000'	8.45 - 8.9	28 - 29	NC	Cut brine. Caustic for pH control.
10000' - 13000'	8.9 - 9.7	29 - 45	NC	XCD Polymer mud system.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's, open hole logs, and casing, the viscosity and water loss may have to be adjusted in order to meet these needs. Mud system monitoring equipment with derrick floor indicators and visual/audio alarms shall be installed and operative prior to drilling into the Wolfcamp formation. This equipment will remain in use until production casing is run and cemented.

Application to Drill

Gruy Petroleum Management Co.
White City 31 Federal No. 2
Unit Letter K Section 31
T24S - R26E Eddy County, NM

12 Testing, Logging and Coring Program:

- A. Mud logging program: One-man unit from 8000' to TD
- B. Electric logging program: CNL / LDT / CAL / GR, DLL / CAL / GR
- C. No DST's, or cores are planned at this time.

13 Potential Hazards:

No abnormal pressures or temperatures or H₂S gas are expected. Adequate flare lines will be installed off the mud / gas separator where gas may be flared safely. All personnel will be familiar with all aspects of safe operation of equipment being used. Estimated BHP 4000 PSI, estimated BHT 190.

14 Anticipated Starting Date and Duration of Operations:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 35 - 45 days. If production casing is run an additional 30 days will be required to complete and construct surface facilities.

15 Other Facets of Operations:

After running casing, cased hole gamma ray neutron collar logs will be run from total depth over possible pay intervals. The Strawn / Morrow / Atoka pay will be perforated and stimulated. The well will be tested and potentialed as a gas well.

Surface Use Plan

Gruy Petroleum Management Co.
White City 31 Federal No. 2
Unit Letter K Section 31
T24S - R26E Eddy County, NM

- 1 Existing Roads: Area maps, Exhibit "B" is a reproduction of Lea Co. General Highway Map. Exhibit "C" is a reproduction of a USGS Topographic Map, showing existing roads and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.
 - A. Exhibit "A" shows the proposed well site as staked.
 - B. From the intersection of Eddy County Road # 722 and Eddy County Road # 426, go west 0.4 miles on County Road # 426 to a caliche road. Turn left and go south 0.4 miles to a well pad. From the southwest corner of the well pad follow the access road 0.3 miles to location.

- 2 PLANNED ACCESS ROADS: 1750' of access road will be constructed.

- 3 LOCATION OF EXISTING WELLS IN A ONE-MILE RADIUS EXHIBIT "A"
 - A. Water wells - None Known
 - B. Disposal wells - None known
 - C. Drilling wells - None known
 - D. Producing wells - As shown on Exhibit "A"
 - E. Abandoned wells - As shown on Exhibit "A"

Surface Use Plan

Gruy Petroleum Management Co.
White City 31 Federal No. 2
Unit Letter K Section 31
T24S - R26E Eddy County, NM

- 4 If, on completion this well is a producer Gruy Petroleum Management Co. will furnish maps and/or plats showing on site facilities or off site facilities if needed. This will be accompanied with a Sundry Notice.

5 LOCATION AND TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6 SOURCE OF CONSTRUCTION MATERIAL:

If possible construction will be obtained from the excavation of drill site, if additional material is needed it will be purchased from a local source and transported over the access route as shown on Exhibit "C".

7 METHODS OF HANDLING WASTE MATERIAL:

- A. Drill cuttings will be disposed of in the reserve pit.
- B. All trash, junk and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed all contents will be removed and disposed of in a approved sanitary land fill.
- C. Salts remaining after completion of well will be picked up by supplier including broken sacks.
- D. Sewage from living quarters will drain into holding tanks and be cleaned out periodically. A Porta-John will be provided for the rig crews. This equipment will be properly maintained during the drilling operations and removed upon completion of the well.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for breaking out. In the event that drilling fluids do not evaporate in a reasonable time they will be hauled off by transports and be disposed of at a state approved disposal facility. Later pits will be broken out to speed drying. Water produced during testing will be put in reserve pits. Any oil or condensate produced will be stored in test tanks until sold and hauled from the site.

8 ANCILLARY FACILITIES:

- A. No camps or airstrips to be constructed.

Surface Use Plan

Gruy Petroleum Management Co.
White City 31 Federal No. 2
Unit Letter K Section 31
T24S - R26E Eddy County, NM

9 WELL SITE LAYOUT

- A. Exhibit "D" shows location and rig layout.
- B. This exhibit indicates proposed location of reserve and trash pits; and living facilities.
- C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be unlined, unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
- D. If needed, the reserve pit is to be lined with PVC or polyethylene line. The pit liner will be 6 mils thick. Pit liner will extend a minimum, 2'00" over the reserve pits dikes where the liner will be anchored down.
- E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.

10 PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be recontoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

Surface Use Plan

Gruy Petroleum Management Co.
White City 31 Federal No. 2
Unit Letter K Section 31
T24S - R26E Eddy County, NM

11 OTHER INFORMATION:

- A. Topography consists of a sloping plane with loose tan sands. Vegetation is mainly yucca, mesquite and shin oak.
- B. The wellsite is on surface owned by The United States Department of the Interior, Bureau of Land Management. The land is used mainly for farming, cattle ranching, recreational use, and oil and gas production.
- C. An Archaeological survey will be conducted on the location and proposed roads, and this report will be filed with the Bureau of Land Management in the Carlsbad BLM office.
- D. There are no known dwellings within 1 1/2 miles of this location.

12 OPERATORS REPRESENTATIVE:

Gruy Petroleum Management Company
P.O. Box 14097
Irving, TX 75014
Office Phone: (972) 443-6489
Zeno Farris

- 13 **CERTIFICATION:** I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Gruy Petroleum Management Company contractors/subcontractors in the conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false statement.

NAME: Zeno Farris

DATE: 3/3/04

TITLE: Manager, Operations Administration

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name White City; Penn (Gas)
Property Code	Property Name WHITE CITY 31 FEDERAL	Well Number 2
OGRID No. 162683	Operator Name GRUY PETROLEUM MANAGEMENT COMPANY	Elevation 3493'

Surface Location

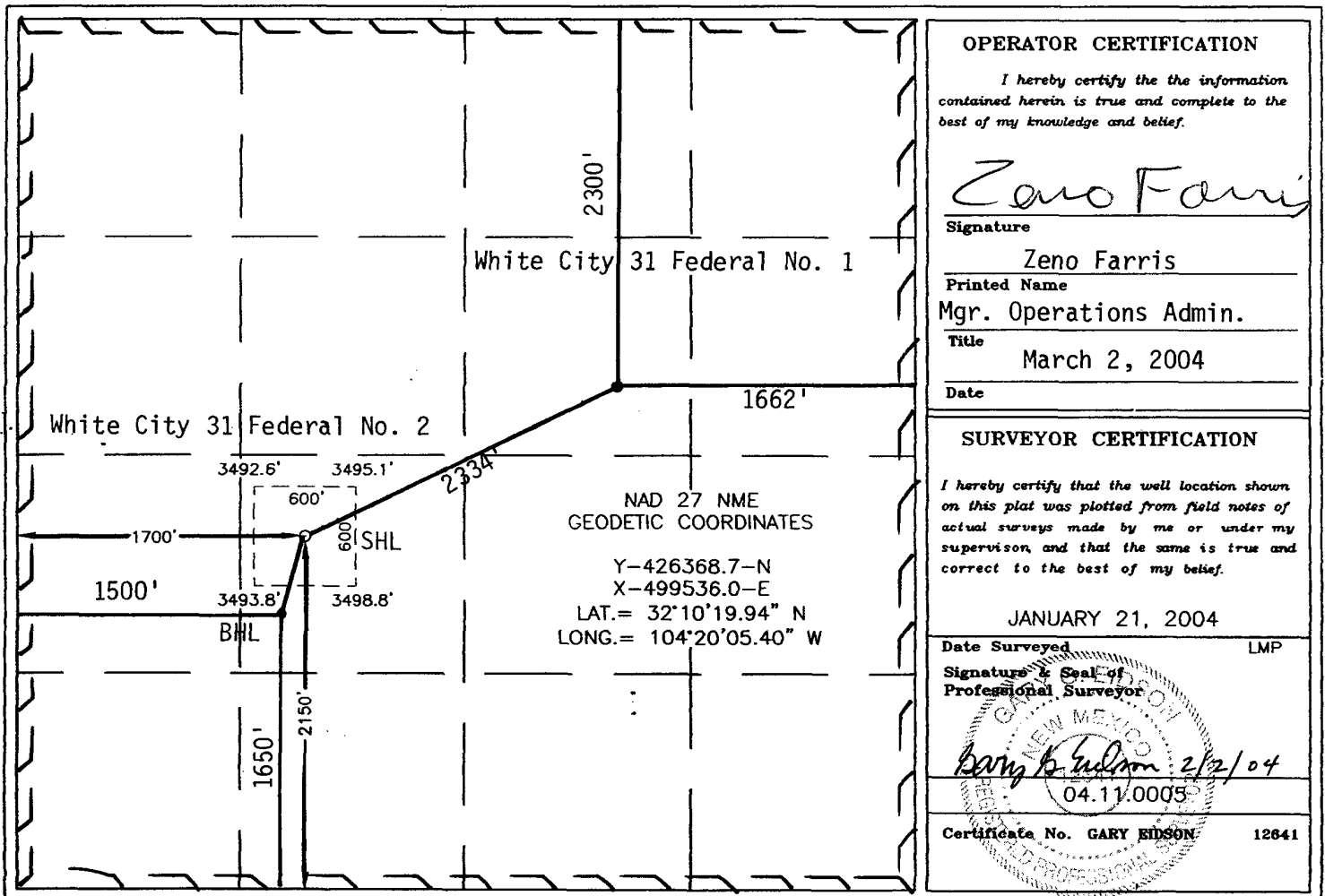
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	31	24 S	26 E		2150	SOUTH	1700	WEST	EDDY

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
K	31	24S	26E		1650	SOUTH	1500	WEST	EDDY

Dedicated Acres 640	Joint or Infill	Consolidation Code	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



OPERATOR CERTIFICATION

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

Zeno Farris
Signature

Zeno Farris
Printed Name

Mgr. Operations Admin.
Title

March 2, 2004
Date

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.

JANUARY 21, 2004

Date Surveyed LMP
Signature & Seal of Professional Surveyor

Gary E. Edson
04.11.0005

Certificate No. GARY EDSON 12841

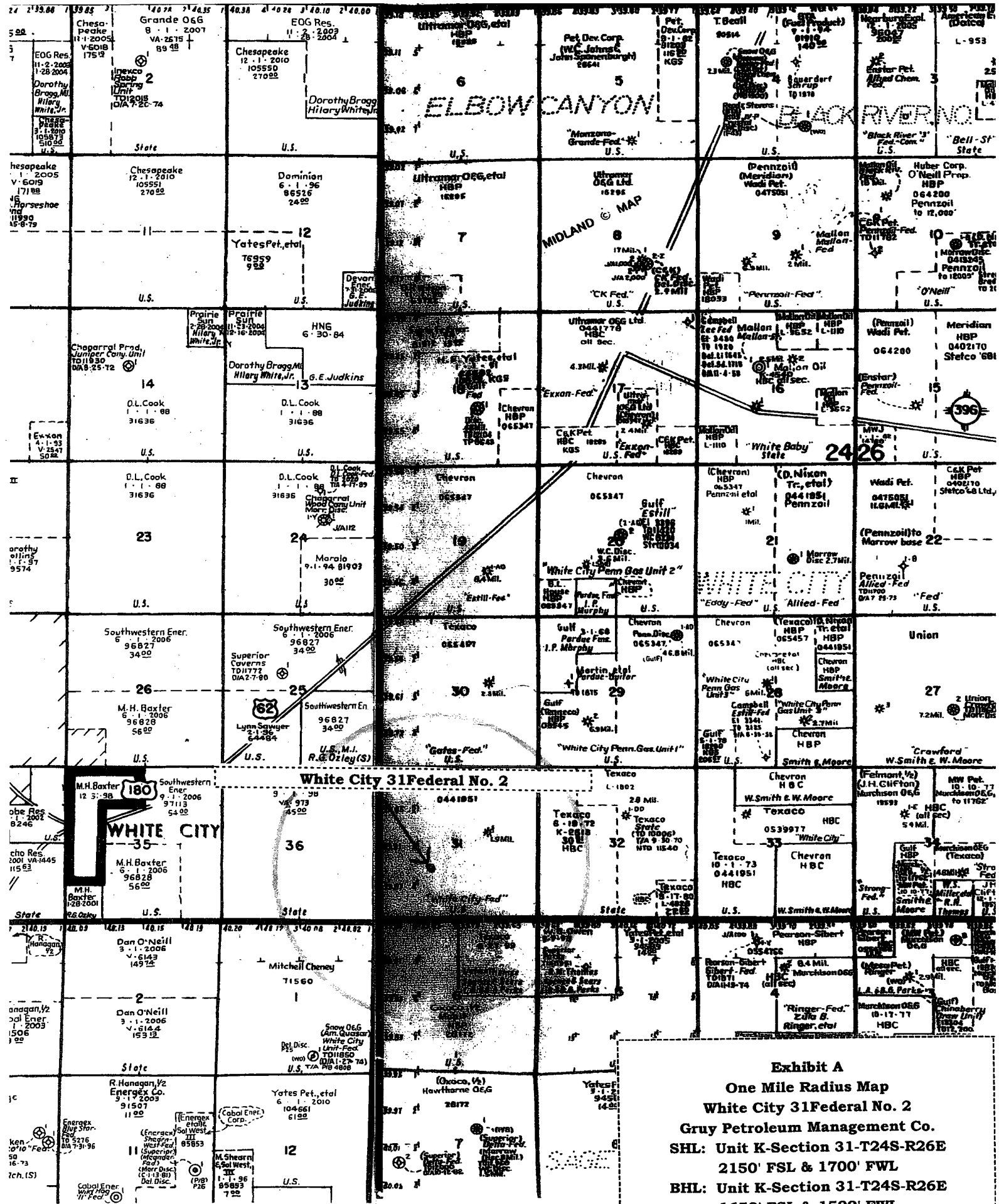
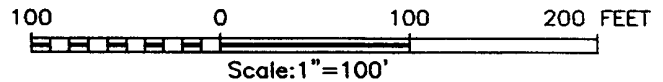
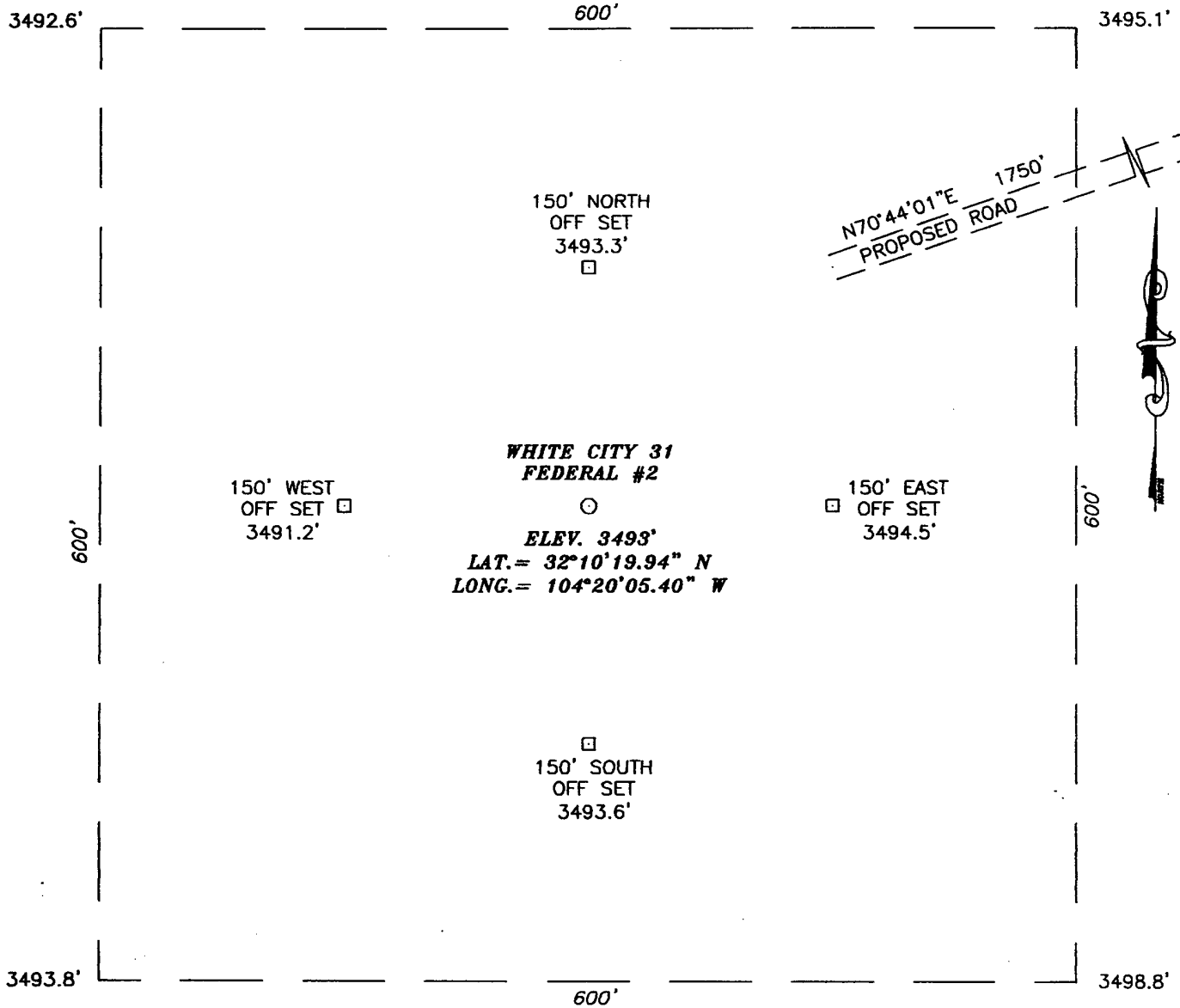


Exhibit A
One Mile Radius Map
White City 31 Federal No. 2
Gruy Petroleum Management Co.
SHL: Unit K-Section 31-T24S-R26E
2150' FSL & 1700' FWL
BHL: Unit K-Section 31-T24S-R26E
1650' FSL & 1500' FWL
Eddy County, NM

SECTION 31, TOWNSHIP 24 SOUTH, RANGE 26 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.



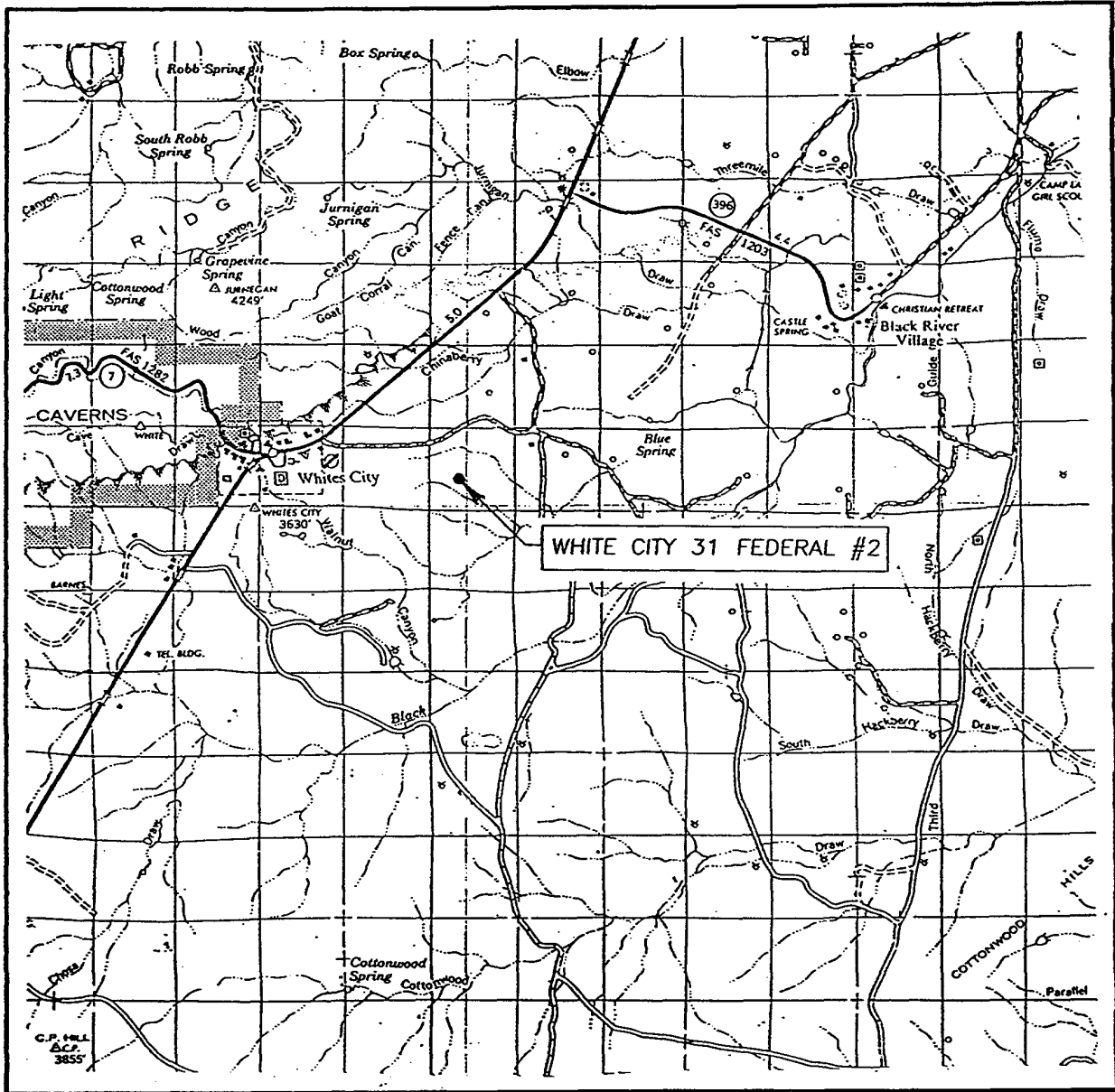
DRIVING DIRECTIONS:

FROM THE INTERSECTION OF EDDY COUNTY ROAD #772 AND EDDY COUNTY ROAD #426, GO WEST 0.4 MILES ON COUNTY ROAD #426 TO A CALICHE ROAD. TURN LEFT AND GO SOUTH 0.4 MILES TO A WELL PAD. FROM THE SOUTHWEST CORNER OF WELL PAD FOLLOW THE PROPOSED ROAD SURVEY SOUTHWEST 0.3 MILES TO THIS LOCATION.

JOHN WEST SURVEYING COMPANY
 412 N. DAL PASO - HOBBS, NEW MEXICO - 505-393-3117

GRUY PETROLEUM MANANGEMENT COMPANY			
WHITE CITY 31 FEDERAL #2 LOCATED 2150 FEET FROM THE SOUTH LINE AND 1700 FEET FROM THE WEST LINE OF SECTION 31, TOWNSHIP 24 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO			
Survey Date: 1/21/04		Sheet 1 of 1 Sheets	
W.O. Number: 04.11.0005		DRAWN BY: L. PERALES	
Date: 1/30/04	DISK: CD '04	04110005	Scale: 1"=100'

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 31 TWP. 24-S RGE. 26-E

SURVEY N.M.P.M.

∴ COUNTY EDDY

DESCRIPTION 2150' FSL & 1700' FWL

ELEVATION 3493'

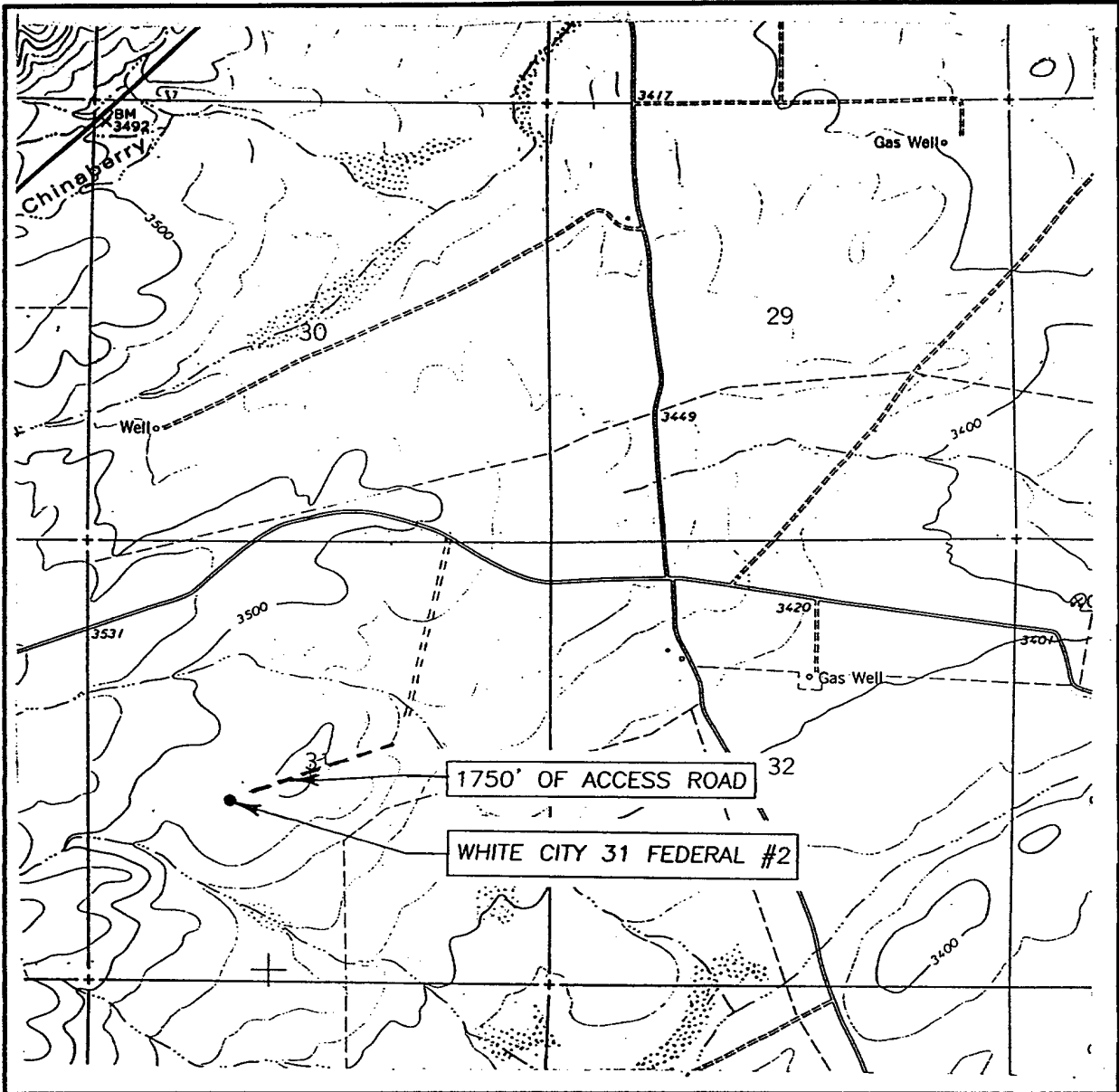
OPERATOR GRUY PETROLEUM MANAGEMENT COMPANY

LEASE WHITE CITY 31 FEDERAL

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

Exhibit B

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
BLACK RIVER VILLAGE, N.M. - 20'

SEC. 31 TWP. 24-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY EDDY

DESCRIPTION 2150' FSL & 1700' FWL

ELEVATION 3493'

OPERATOR GRUY PETROLEUM MANAGEMENT COMPANY

LEASE WHITE CITY 31 FEDERAL

Exhibit C

U.S.G.S. TOPOGRAPHIC MAP
BLACK RIVER VILLAGE, N.M.

JOHN WEST SURVEYING
HOBBS, NEW MEXICO
(505) 393-3117

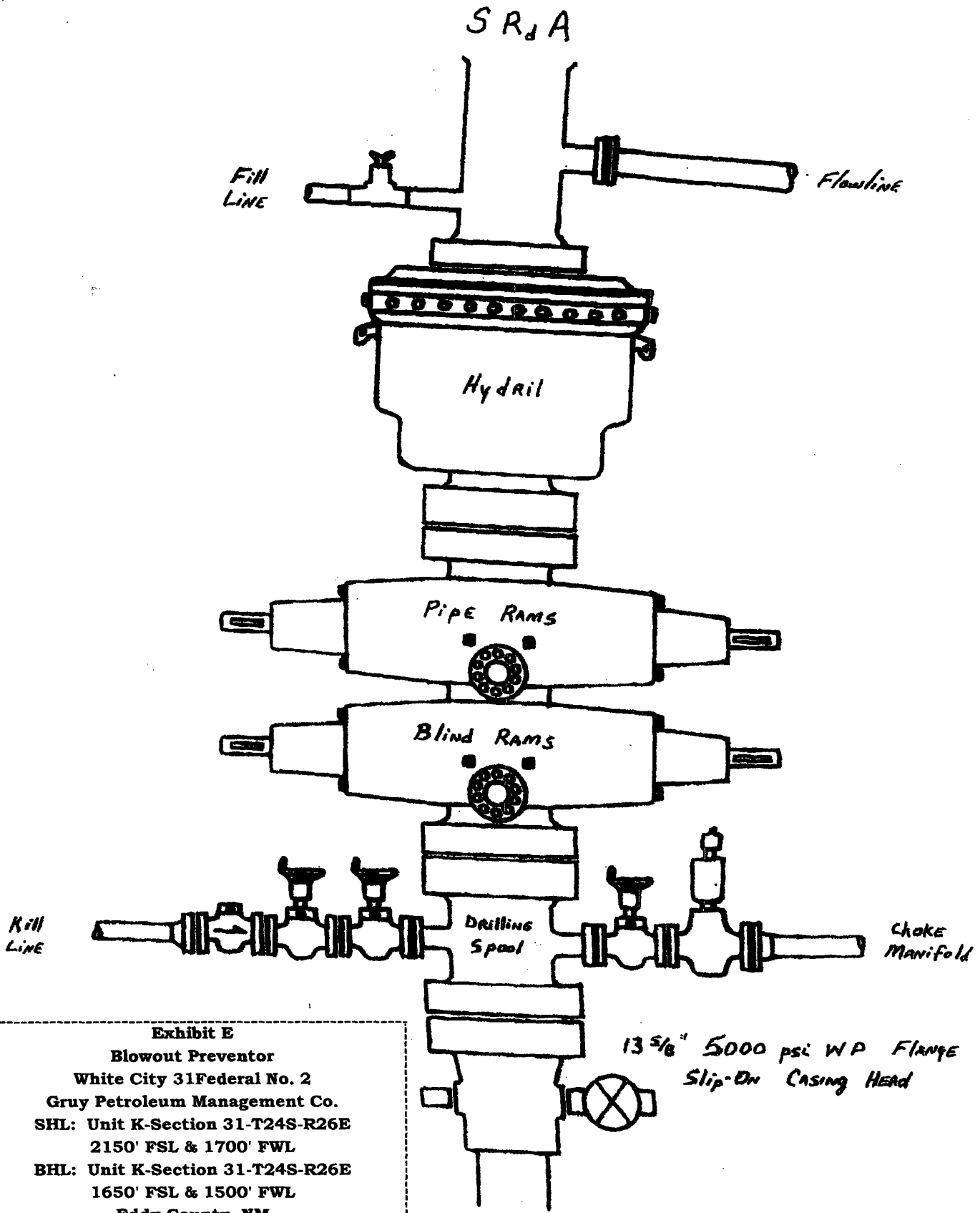
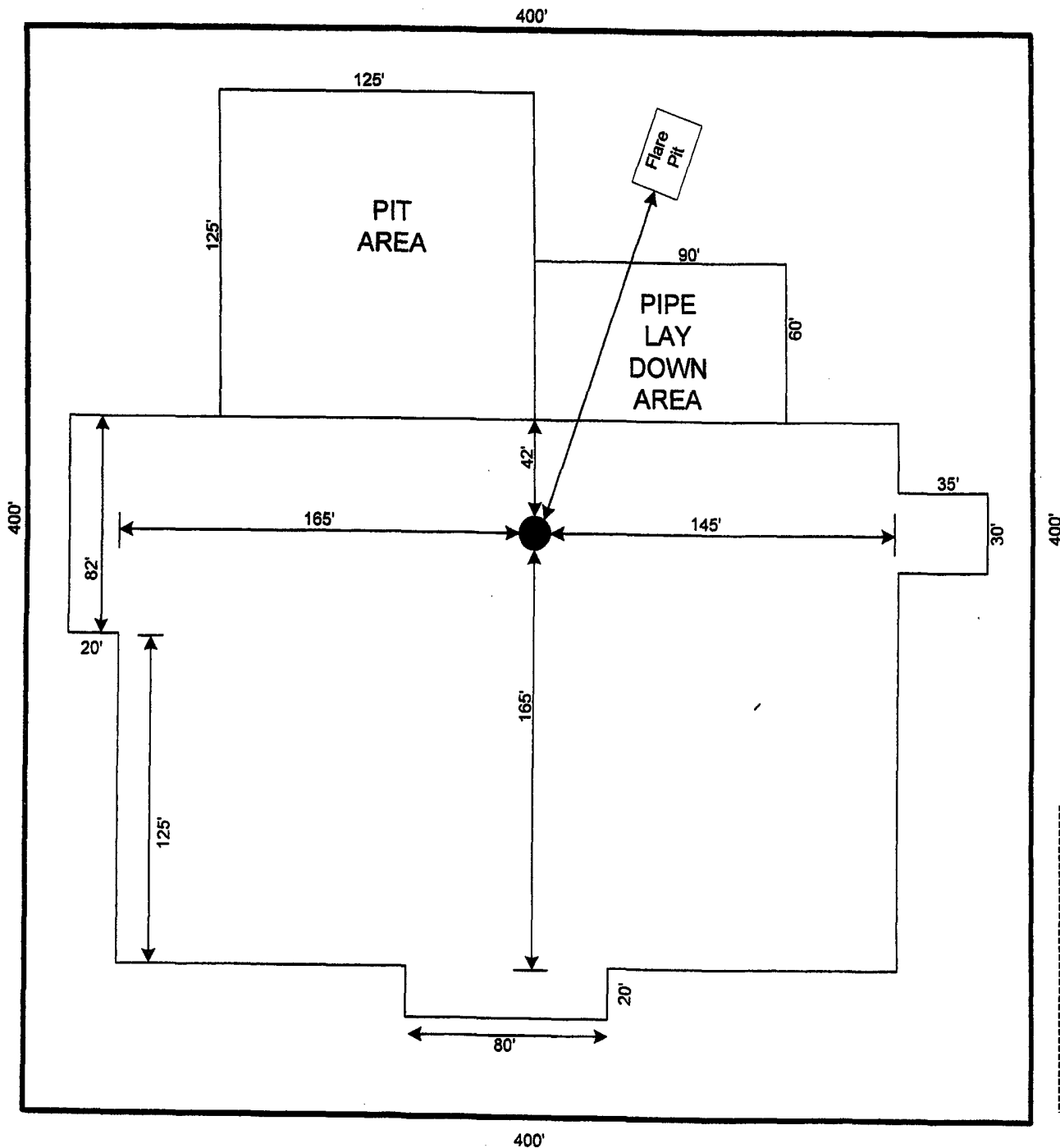


Exhibit E
Blowout Preventor
 White City 31 Federal No. 2
 Gruy Petroleum Management Co.
 SHL: Unit K-Section 31-T24S-R26E
 2150' FSL & 1700' FWL
 BHL: Unit K-Section 31-T24S-R26E
 1650' FSL & 1500' FWL
 Eddy County, NM



RIG # 80

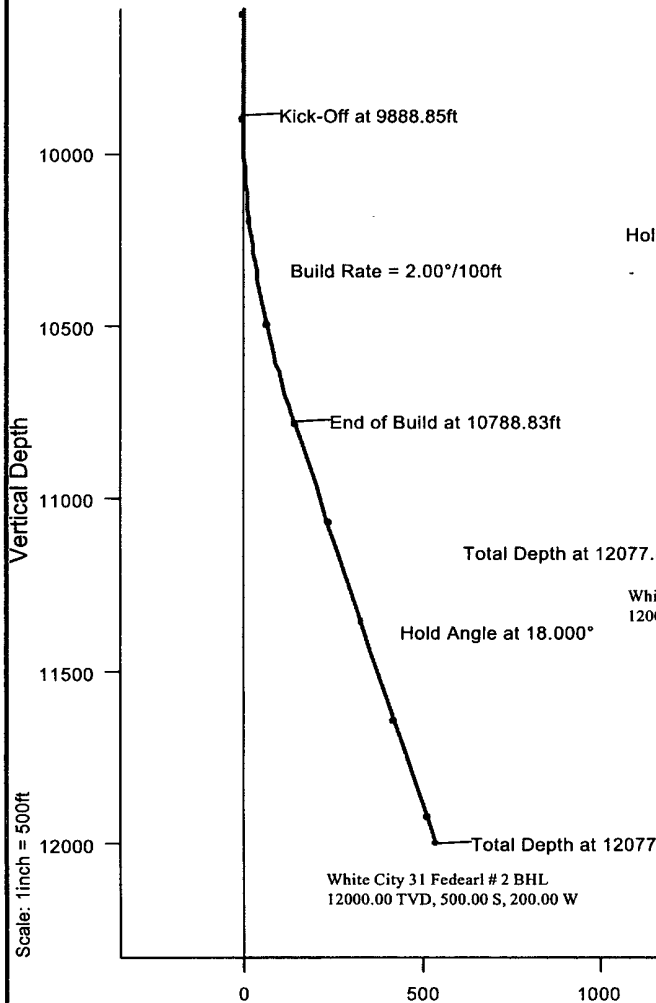
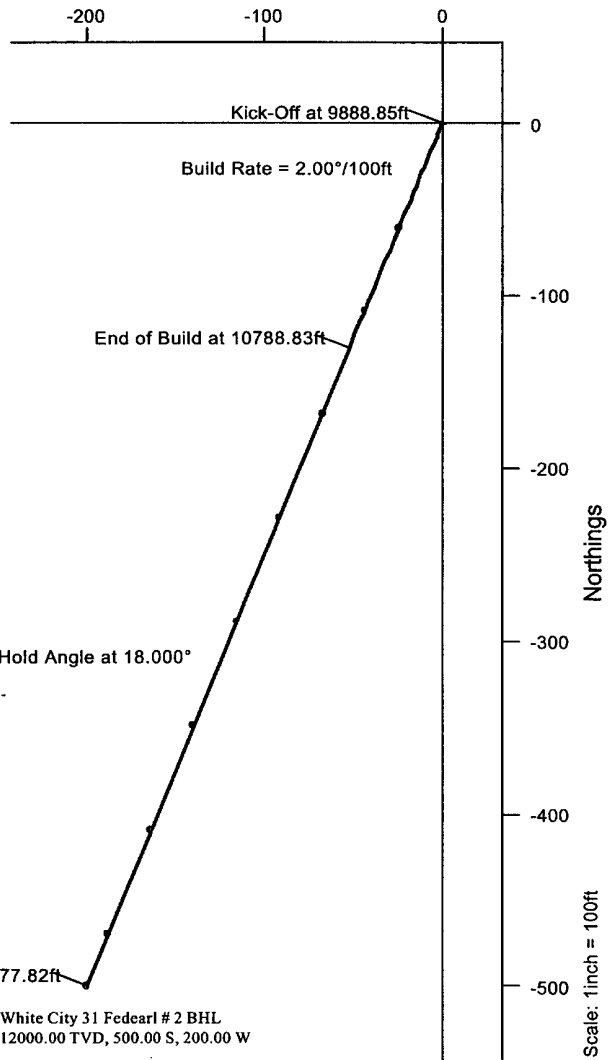
GRUY PETROLEUM
MANAGEMENT COMPANY
IRVING TEXAS

SCALE 1"=60'

Exhibit D
Rig Layout Plan
White City 31 Federal No. 2
Gruy Petroleum Management Co.
SHL: Unit K-Section 31-T24S-R26E
2150' FSL & 1700' FWL
BHL: Unit K-Section 31-T24S-R26E
1650' FSL & 1500' FWL
Eddy County, NM

New Mexico
Eddy County
Sec. 31-T24S-R26E
White City 31 Federal 2
Plan 02/13/04

Eastings
Scale: 1 inch = 100ft



Scale: 1 inch = 500ft Section Azimuth: 201.801° (Grid North)

Vertical Section

Prepared by:
Admin

Date/Time:
13 February, 2004 - 8:39

Checked:

Approved:



**Gruy Petroleum Management Co.
New Mexico
Eddy County
Sec. 31-T24S-R26E
White City 31 Federal 2 - Plan 02/13/04**

Sperry-Sun

Proposal Report

13 February, 2004

Data Source: Information from Wade Wiley

Proposal Ref: pro7340

HALLIBURTON

Proposal Report for Sec. 31-T24S-R26E - White City 31 Federal 2 - Plan 02/13/04
Data Source: Information from Wade Wiley

Measured Depth (ft)	Incl.	Azim.	Sub-Sea Depth (ft)	Vertical Depth (ft)	Local Coordinates		Global Coordinates		Dogleg Rate (°/100ft)	Vertical Section	Comment
					Northings (ft)	Eastings (ft)	Northings (ft)	Eastings (ft)			
0.00	0.000	0.000	-3493.00	0.00	0.00 N	0.00 E	426368.70 N	499536.00 E		0.00	
9888.85	0.000	0.000	6395.85	9888.85	0.00 N	0.00 E	426368.70 N	499536.00 E	0.00	0.00	Kick-Off at 9888.85ft
9900.00	0.223	201.801	6407.00	9900.00	0.02 S	0.01 W	426368.68 N	499535.99 E	2.00	0.02	
10000.00	2.223	201.801	6506.97	9999.97	2.00 S	0.80 W	426366.70 N	499535.20 E	2.00	2.16	
10100.00	4.223	201.801	6606.81	10099.81	7.22 S	2.89 W	426361.48 N	499533.11 E	2.00	7.78	
10200.00	6.223	201.801	6706.39	10199.39	15.67 S	6.27 W	426353.03 N	499529.73 E	2.00	16.88	
10300.00	8.223	201.801	6805.59	10298.59	27.35 S	10.94 W	426341.35 N	499525.06 E	2.00	29.45	
10338.84	9.000	201.801	6843.99	10336.99	32.75 S	13.10 W	426335.95 N	499522.90 E	2.00	35.27	Build Rate = 2.00°/100ft
10400.00	10.223	201.801	6904.29	10397.29	42.23 S	16.89 W	426326.47 N	499519.11 E	2.00	45.48	
10500.00	12.223	201.801	7002.37	10495.37	60.30 S	24.12 W	426308.40 N	499511.88 E	2.00	64.94	
10600.00	14.223	201.801	7099.72	10592.72	81.53 S	32.61 W	426287.17 N	499503.39 E	2.00	87.81	
10700.00	16.223	201.801	7196.20	10689.20	105.91 S	42.37 W	426262.79 N	499493.63 E	2.00	114.07	
10788.83	18.000	201.801	7281.10	10774.10	130.18 S	52.07 W	426238.52 N	499483.93 E	2.00	140.21	End of Build at 10788.83ft
10800.00	18.000	201.801	7291.72	10784.72	133.38 S	53.35 W	426235.32 N	499482.65 E	0.00	143.66	
10900.00	18.000	201.801	7386.83	10879.83	162.07 S	64.83 W	426206.63 N	499471.17 E	0.00	174.56	
11000.00	18.000	201.801	7481.93	10974.93	190.77 S	76.31 W	426177.93 N	499459.69 E	0.00	205.46	
11100.00	18.000	201.801	7577.04	11070.04	219.46 S	87.78 W	426149.24 N	499448.22 E	0.00	236.36	
11200.00	18.000	201.801	7672.15	11165.15	248.15 S	99.26 W	426120.55 N	499436.74 E	0.00	267.26	
11300.00	18.000	201.801	7767.25	11260.25	276.84 S	110.74 W	426091.86 N	499425.26 E	0.00	298.16	
11400.00	18.000	201.801	7862.36	11355.36	305.53 S	122.21 W	426063.17 N	499413.79 E	0.00	329.06	
11433.32	18.000	201.801	7894.05	11387.05	315.09 S	126.04 W	426053.61 N	499409.96 E	0.00	339.36	Hold Angle at 18.000°
11500.00	18.000	201.801	7957.46	11450.46	334.22 S	133.69 W	426034.48 N	499402.31 E	0.00	359.97	
11600.00	18.000	201.801	8052.57	11545.57	362.91 S	145.16 W	426005.79 N	499390.84 E	0.00	390.87	
11700.00	18.000	201.801	8147.68	11640.68	391.60 S	156.64 W	425977.10 N	499379.36 E	0.00	421.77	
11800.00	18.000	201.801	8242.78	11735.78	420.29 S	168.12 W	425948.41 N	499367.88 E	0.00	452.67	
11900.00	18.000	201.801	8337.89	11830.89	448.98 S	179.59 W	425919.72 N	499356.41 E	0.00	483.57	
12000.00	18.000	201.801	8432.99	11925.99	477.67 S	191.07 W	425891.03 N	499344.93 E	0.00	514.47	
12077.82	18.000	201.801	8507.00	12000.00	500.00 S	200.00 W	425868.70 N	499336.00 E	0.00	538.52	Total Depth at 12077.82ft Target - White City 31 Fedearl # 2 BHL, Current Target

All data is in Feet (US) unless otherwise stated. Directions and coordinates are relative to Grid North. Vertical depths are relative to RKB. Northings and Eastings are relative to 2150' FSL/1700' FWL.

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Data Source: Information from Wade Wiley

Global Northings and Eastings are relative to NAD27 New Mexico State Planes, Eastern Zone.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from 2150' FSL/1700' FWL and calculated along an Azimuth of 201.801° (Grid).

Coordinate System is NAD27 New Mexico State Planes, Eastern Zone.

Grid Convergence at Surface is -0.001°. Magnetic Convergence at Surface is -8.800° (13-Feb-04)

Based upon Minimum Curvature type calculations, at a Measured Depth of 12077.82ft.,

The Bottom Hole Displacement is 538.52ft., in the Direction of 201.801° (Grid).

Comments

Measured Depth (ft)	Station Coordinates			Comment
	TVD (ft)	Northings (ft)	Eastings (ft)	
9888.85	9888.85	0.00 N	0.00 E	Kick-Off at 9888.85ft
10338.84	10336.99	32.75 S	13.10 W	Build Rate = 2.00°/100ft
10788.83	10774.10	130.18 S	52.07 W	End of Build at 10788.83ft
11433.32	11387.05	315.09 S	126.04 W	Hold Angle at 18.000°
12077.82	12000.00	500.00 S	200.00 W	Total Depth at 12077.82ft

HALLIBURTON

Gruy Petroleum Management Co.
New Mexico
Eddy County

Proposal Report for Sec. 31-T24S-R26E - White City 31 Federal 2 - Plan 02/13/04
Data Source: Information from Wade Wiley

Targets associated with this wellpath

Target Name	Target Entry Coordinates			Target Shape	Target Type
	TVD (ft)	Northings (ft)	Eastings (ft)		
White City 31 Fedearl # 2 BHL	12000.00	500.00 S	200.00 W	Point	Current Target