

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 31 2005

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER **ARTESIA**

1a. Type of Work: <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> REENTER			5. Lease Serial No. NM 103591
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name n/a
2. Name of Operator David H. Arrington Oil & Gas, Inc.			7. If Unit or CA Agreement, Name and No. n/a
3a. Address P.O. Box 2071, Midland, TX 79702		3b. Phone No. (include area code) 432 684-6381/682-6685	8. Lease Name and Well No. #1 Green Woolley-Booger Fed. 5
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2330 FSL & 860' FWL At proposed prod. zone			9. API Well No. 3. 015 31498
14. Distance in miles and direction from nearest town or post office* 13 miles SW of Artesia, New Mexico			10. Field and Pool, or Exploratory Wildcat, Wolfcamp
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any). n/a		16. No. of Acres in lease 1280	11. Sec., T., R., M., or Blk. and Survey of Area Sec 5, T19S, R24E, NMPM
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. n/a		17. Spacing Unit dedicated to this well 320 acres	12. County or Parish Eddy
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3768' GL		19. Proposed Depth 5100'	13. State NM
22. Approximate date work will start* upon approval		20. BLM/BIA Bond No. on file UIB0005938	
23. Estimated duration 11 days		24. Attachments <input checked="" type="checkbox"/>	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plan certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Ann E. Ritchie	Date 4-19-05
Title Regulatory Agent		
Approved by (Signature) /s/ Joe G. Lara	Name (Printed/Typed) /s/ Joe G. Lara	Date MAY 26 2005
Title FIELD MANAGER		
Office CARLSBAD FIELD OFFICE		

Application approval does not warrant or certify the 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, are attached.

APPROVAL FOR 1 YEAR

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on reverse)

NSL

Reswell Controlled Water Basin

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94
Instructions on back

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

OIL CONSERVATION DIVISION

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

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

☐ AMENDED REPORT

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT (Filed for re-entry)

1 API Number 30 015 31498		2 Pool Code		3 Pool Name Wildcat		4-19-05	
4 Property Code 26995		5 Property Name GREEN WOOLEY-BOOGER FEDERAL '5'				6 Well Number 1	
7 OGRID No. 005898		8 Operator Name DAVID H. ARRINGTON OIL & GAS, INC.				9 Elevation 3768'	

" SURFACE LOCATION

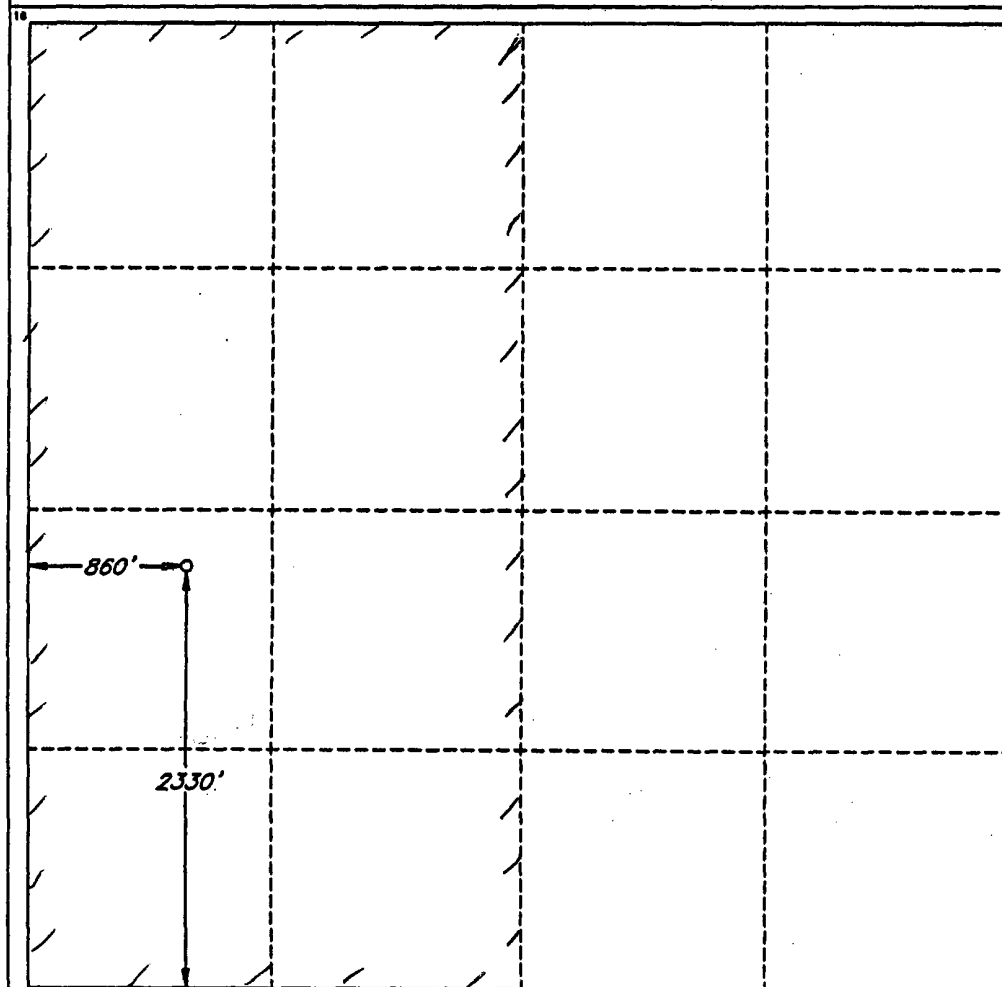
UL or lot no. L	Section 5	Township 19 SOUTH	Range 24 EAST, N.M.P.M.	Lot Ida	Feet from the 2330'	North/South line SOUTH	Feet from the 860'	East/West line WEST	County EDDY
--------------------	--------------	----------------------	----------------------------	---------	------------------------	---------------------------	-----------------------	------------------------	----------------

"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
---------------------------	--------------------	-----------------------	--------------

NO ALLOWABLE WELL 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 that the information
contained herein is true and complete
to the best of my knowledge and belief.

Signature
Ann E. Ritchie

Printed Name
Ann E. Ritchie

Title
Regulatory Agent

Date
4/19/05

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.

Date of Survey
NOVEMBER 13, 2000

Signature and Seal of
Professional Surveyor

V. L. Reznor
V. L. REZNOR
15-2000

Certificate No.
V. L. REZNOR R.P.S. #7920

JOB #72753 / 76 NE / JCP

**Thirteen Point Plan for Surface Use
(Additional data for form 3160-3, Re-entry)**

David H. Arrington Oil & Gas, Inc.

Green Wooley Booger Fed "5", Well #1

660' FWL & 2230' FSL (L), Section 5, T19S, R24E, NMPM, Eddy County, New Mexico

Wildcat (Wolfcamp)

NM-103591

1. EXISTING ROADS - VICINITY, LOCATION & ELEVATION VERIFICATION MAPS:

Maps attached: Vicinity Map as previously filed by David H. Arrington Oil & Gas, Inc. on 10-12-2000. This well was drilled, completed, then P & A'd 5-23-2003.

The road log to the location is as follows:

From junction of U.S. 285 & County Road 21, +/- 11.0 miles south of Artesia, travel west 12.0 miles on County Road 21, thence north 1.6 mile on lease road, thence west 0.6 mile then crossing to north side of fence travel west 0.1 mile, thence north 0.2 mile on old lease road to a point +/- 200' west of the location.

2. PLANNED ACCESS ROAD: Will utilized existing access road built when well was initially drilled in March 2001. Please see "Location & Elevation Verification Map".

3. LOCATION OF EXISTING WELLS - This was the first well drilled on this lease. Please see Well Location Map.

4. LOCATION OF EXISTING OR PROPOSED FACILITIES - New battery will be built according to the Bureau of Land Management rules and stipulations. See Diagram attached.

5. LOCATION AND TYPE OF WATER SUPPLY - All water (fresh or otherwise) needed for the drilling and completion of this well will be purchased from a commercial source and trucked to the location via the existing and proposed access road. No water source wells will be drilled, and no surface water will be utilized.

6. SOURCE OF CONSTRUCTION MATERIALS - Minimal construction material (caliche) will be required for the preparation of this ren-entry site. Materials are available from a source in area. It is not anticipated that a significant amount of material will be required as the terrain is relatively flat and the initial drill pad and roads are existing and in relatively good shape. Transportation will be over the existing roads.

7. **METHODS FOR HANDLING WASTE DISPOSAL -**
- Any re-entry drill cuttings will be disposed into workover pit after fluids have evaporated.
 - The workover pit will be lined with a biodegradable plastic liner, and buried as per regulatory requirements. The pit will be located on the #1 drill site.
 - Receptacles for solid wastes (paper, plastic, etc) will be provided and equipped to prevent scattering by wind, animals, etc. This waste will be hauled to an approved landfill site.
 - Any other waste generated by the re-entry, completion, testing of this well will be removed from the site within 30 days of the completion of re-entry or testing operations.
 - A Porta-John will be provided for the crews. This will be properly maintained during the drilling operations and removed upon completion of the well.
8. **ANCILLARY FACILITIES -** The re-entry, completion, and/or testing of this well will require no ancillary facilities.
9. **WELLSITE LAYOUT -** Please see the Drilling Rig/Reverse Unit Pad Schematic attached.
10. **PLANS FOR SURFACE RESTORATION -** After the conclusion of the re-entry and completion operations, all unnecessary equipment and material will be removed. Prior to filling, any unguarded pit containing fluid will be fenced. Afterwards, when the pit is filled the location will be cleared of all trash and scrap materials and the wellsite will be left in as aesthetically pleasing a condition as possible.
11. **OTHER INFORMATION -** The surface ownership of the drill site and the access routes are under the control/ownership of:
- Bureau of Land Management, P. O. Box 1778, Carlsbad, New Mexico 88221-1778.
505-234-5972 The BLM representative for this area is Barry Hunt who can be reached at the above number, or 505-361-4078.
- The service tenant is Mr. Steve Haines, 11032 Lovington Hwy, Artesia, NM 88210.
Phone number: 505 748-2770.
- The site was archaeologically surveyed in November 2000. This survey is on file with the Bureau of Land Management, Artesia and Roswell, New Mexico offices.
- Topography:** The regional terrain is a rolling plain, yet the drill site and access road are essentially level.
- Soil:** The soil at the wellsite is sandy clay loam with associated gravel.
- Flora & Fauna:** Flora consists of range grasses with some yucca and mesquite, while fauna includes reptiles, rodents and birds.
- Ponds & Streams:** There are no ponds or streams near the wellsite.
- Residences and Other Structures:** There are no occupied dwellings within the subject section.
- Land Use:** The area surrounding the wellsite is semi-arid rangeland used for grazing.

12. **OPERATORS REPRESENTATIVE** – David H. Arrington Oil & Gas, Inc. is bonded and is an active operator on Federal and State lands in the State of New Mexico.

Bill Baker, Geological: P.O. Box 2071, Midland, TX 79702. (432) 687-2176, Ext: 339

Tony Beilman, Operations Engineer, P.O. Box 2071, Midland, TX 7702 &
3025 Rochell Road, Rockwall, TX 75032

432 687-2176 - Office

214 786-0830 – Cell (24 hours)

13. **OPERATORS CERTIFICATION**

I hereby certify that I, Tony Beilman-Operations Engineer, have inspected the proposed drill site and access route and that I am familiar with the conditions that currently exist; that the statements made in the APD are to the best of my knowledge true and correct; and that the work associated with operations herein will be performed by David H. Arrington Oil & Gas, Inc. and it's contractors and subcontractors in conformity with the terms and conditions of this APD package. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application with bond coverage being provided under a BLM nationwide bond.

This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Name and title: Anthony (Tony) J. Beilman, Operations/Drilling Engineer

Signature: _____

AJ Beilman

Date: _____

4-18-05

PARISH RANCH, N. MEX.

N3237.5-W10430/7.5

1956
PHOTOINSPECTED 1975

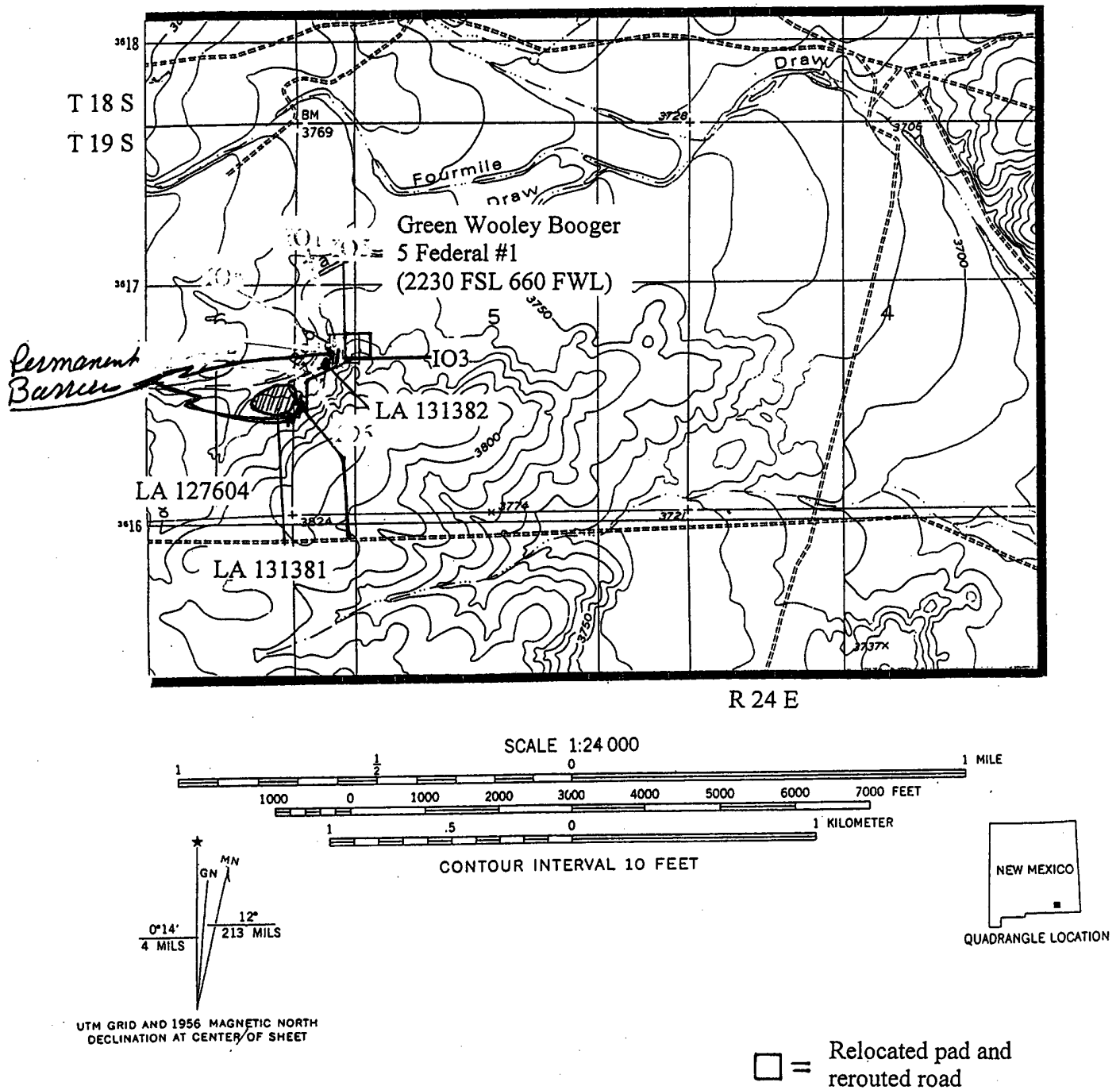
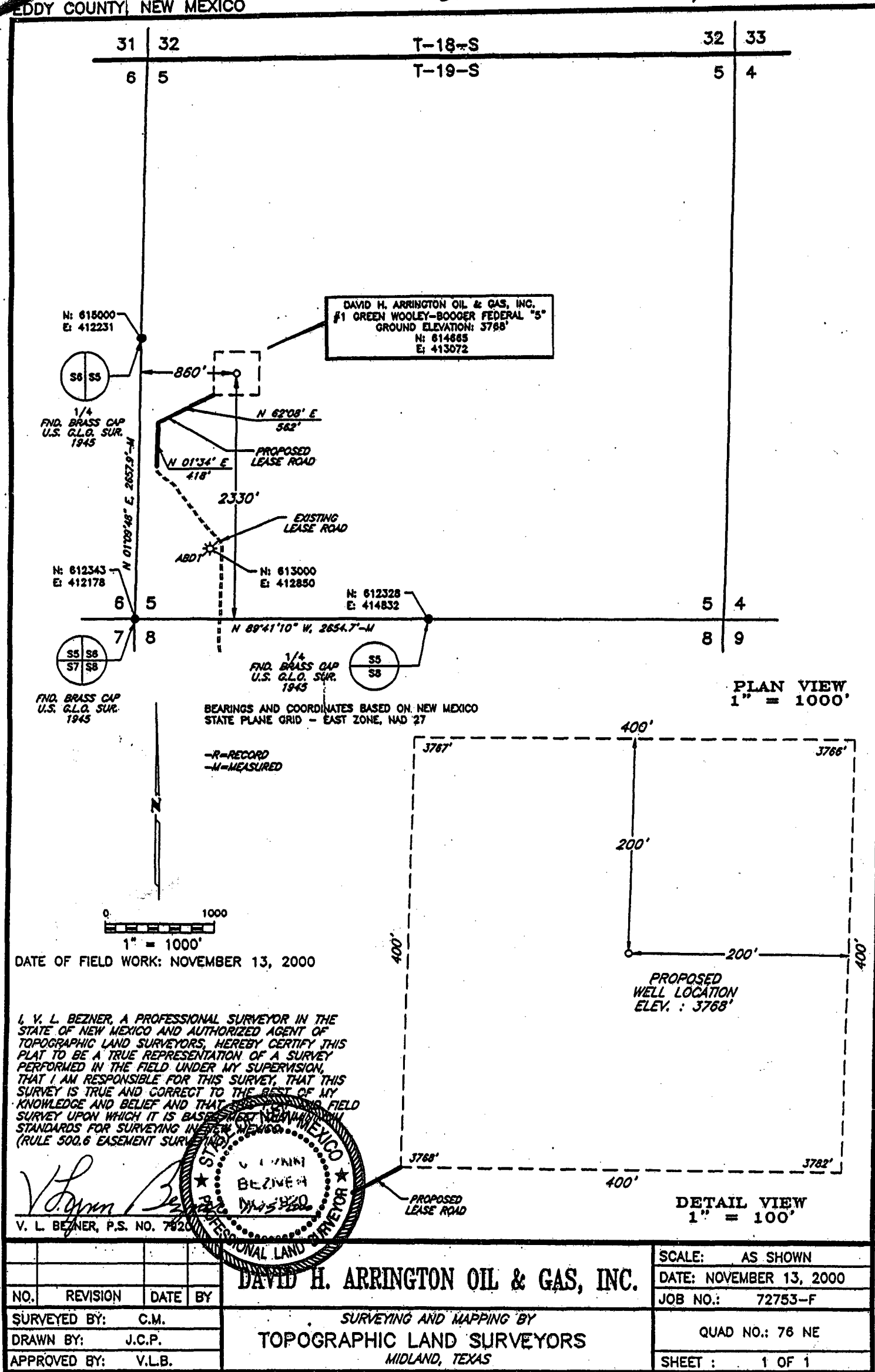


Figure 1. Project location

SHOWING PROPOSED WELL LOCATION IN
SECTION 5, T-19-S, R-24-E, N.M.P.M.
EDDY COUNTY, NEW MEXICO

Well Location Map



This is a detailed topographic map of the Artesia, New Mexico area. The map shows the Rio Grande flowing along the western edge. Key towns and locations labeled include Artesia, Peñasco, Atoka, Dayton, and Carlsbad. Several lakes are depicted, such as Lake Arthur, Lake McMillan, and Lake Alkali. The map also shows various geographical features like the Rio Grande, Peñasco Creek, and the Seven Rivers. A grid system is overlaid on the map, with latitude and longitude coordinates marked. A large, dark, irregular shape is drawn on the map, covering the area around Peñasco and extending towards the Rio Grande. This shape appears to be a hand-drawn or computer-generated overlay, possibly indicating a specific area of interest or a boundary. The map includes various labels for roads, rivers, and other geographical features, providing a comprehensive view of the region.

DISTANCE & DIRECTION FROM JCT. OF U.S. 285 &
COUNTY ROAD 21, ±11.0 MILES SOUTH OF ARTESIA,
TRAVEL WEST 12.0 MILES ON COUNTY ROAD 21, THENCE
NORTH 1.6 MILE ON LEASE ROAD, THENCE WEST 0.6 MILE
THEN CROSSING TO NORTH SIDE OF FENCE TRAVEL WEST
0.1 MILE, THENCE NORTH 0.2 MILE ON OLD LEASE ROAD
TO A POINT ±200' WEST OF THE LOCATION.



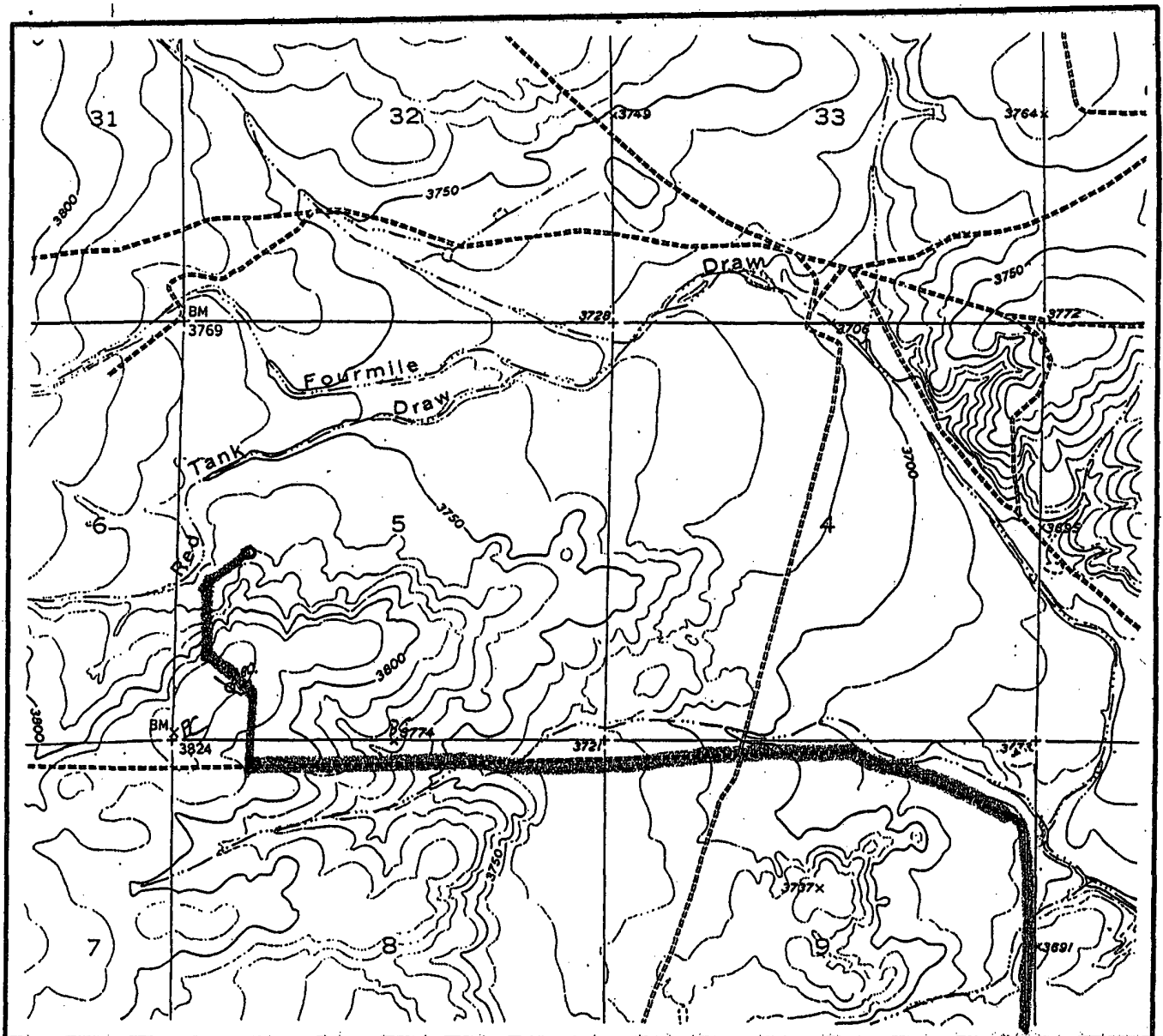
This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.

Review this plat and notify us immediately of any possible discrepancy.

Surveying & Mapping for the Oil & Gas Industry

2903 N. BIG SPRING
MIDLAND, TX. 79705
(800) 767-1653

LOCATION & ELEVATION VERIFICATION MAP



SCALE : 1" = 2000'

CONTOUR INTERVAL 10 FEET

SECTION 5 TWP 19-S RGE 24-E
 SURVEY NEW MEXICO PRINCIPAL MERIDIAN
 COUNTY EDDY STATE NM
 DESCRIPTION 2330' FSL & 860' FWL
 ELEVATION 3768'

OPERATOR DAVID H. ARRINGTON OIL & GAS
 LEASE #1 GREEN WOOLEY-BOOGER FEDERAL "5"

U.S.G.S. TOPOGRAPHIC MAP
PARISH RANCH, NEW MEXICO

SCALED LAT. N = 32°41'22"
 LONG. W = 104°36'57"



This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us.
 Review this plot and notify us immediately of any possible discrepancy.

TOPOGRAPHIC LAND SURVEYORS

Surveying & Mapping for the Oil & Gas Industry

1307 N. HOBART
 PAMPA, TX. 79065
 (800) 658-6382

6709 N. CLASSEN BLVD.
 OKLAHOMA CITY, OK. 73116
 (800) 654-3219

2903 N. BIG SPRING
 MIDLAND, TX. 79705
 (800) 767-1653

**Nine Point Drilling Plan
(Supplement to BLM 3160-3)**

David H. Arrington Oil & Gas, Inc.

Green Wooley-Booger Fed "5", Well #1

660' FWL & 2230' FSL (L), Section 5, T19S, R24E, NMPM, Eddy County, New Mexico

Wildcat (Wolfcamp)

NM-103591

1. *Name and estimated tops of geologic horizons*

San Andres	350'
Abo SLTST	3690'
Abo Reef	3850'
Wolfcamp	5000'
Cisco T.	6090'

2. *Protection of possible useable water* has been achieved by setting 8 5/8" surface casing @ 1336' and cementing it to surface w/805 sx Cl C cement. The well contains 5 1/2" to 9610' cemented with 1775 sx Cl C/poz cement. A copy of the plugging report is attached.

Plugs will be drilled out through 25 sx plug at 4860'. Hole has CIBP @ 6146' w/25 sx on top of CIBP. This plug will remain.

3. *The well control equipment* to be employed during the drilling of this well is illustrated on attached "Pressure System Schematic". This diagram is amended as this well is a re-entry with a reverse unit, the equipment will be as designated on the schematic.

4. *The casing strings consist of the following:*

Surface: 8 5/8" 32# @ 1336', cemented w/805 sx Cl C/poz
Production: 5.1/2" 17# @ 8610', cemented w/1775 sx Cl C/poz

5. *Cementing programs for the above casing strings are:*

This is a re-entry. Casing is as above. Copy of plugging report attached.

6. It is anticipated that this well will be drilled to TD utilizing the fluids shown below:

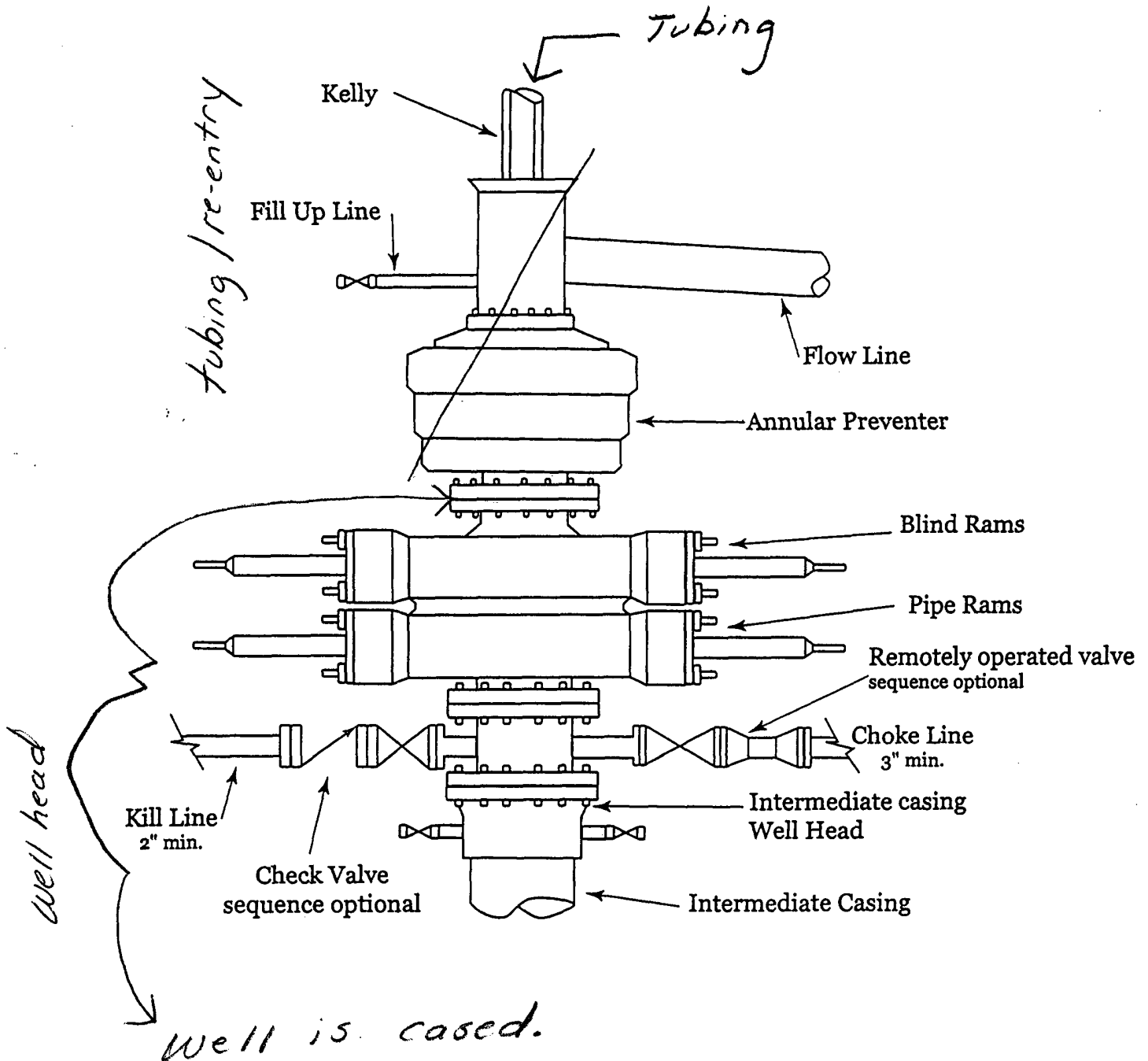
This is a re-entry.

7. *Auxiliary equipment* as per Pressure System Schematic & H2S Drilling Operations Plan

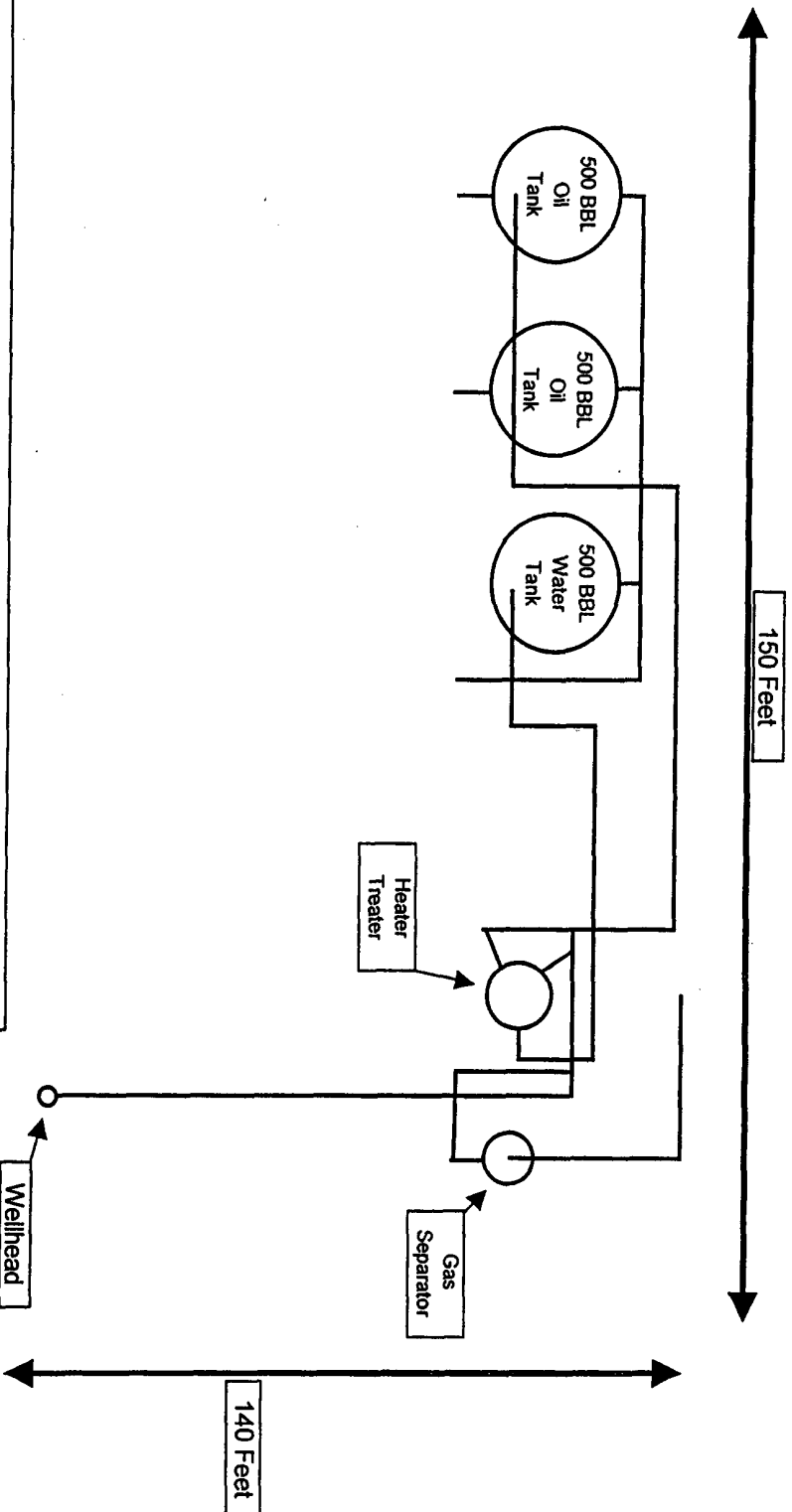
8. Logs on file with Bureau of Land Management.

9. It is estimated that this well will be re-entered and completed in 10-11 days. Re-entry will commence as soon after approval is received and services can be contracted.

David H. Arrington Oil & Gas, Inc.
Typical 5,000 psi Pressure System
Schematic
Annular with Double Ram Preventer Stack



TANK BATTERY SCHEMATIC



Green Wooley-Boogger Federal "5" #1
Section 5-T19S-R24E
Eddy County, New Mexico

David H. Arrington Oil & Gas, Inc.
Re-Entry Data

Well Name: Green-Wooley Booger Fed "5", Well #1
Location: 660' FWL & 2230' FSL, Section 5, T19S, R24E, Eddy County, New Mexico
Wildcat Field
Elevation: 3768' GR

Re-entry of well spudded 3-23-01. Well put on production 11-14-01. Subsequently plugged and abandoned on May 23, 2003. Logs on file with Bureau of Land Management and New Mexico Oil Conservation Division.

Geologist: Danny Ledford
Well site Engineer: David Burgen
Supervising Engineer: Anthony Beilman
0830

Office: 432 682-6685; Home 432 699-1494
Mobil: 432 208-3170
Mobil: 432 425-2210 or 214 762-0830

Reverse Unit: Key Services
Artesia, NM

Office: 505 746-6601

Key Energy Services
Main Office-Midland, TX

Office: 432 620-0300

Will utilize fresh water to drill out cement plugs.

REVERSE UNIT
Drilling Rig

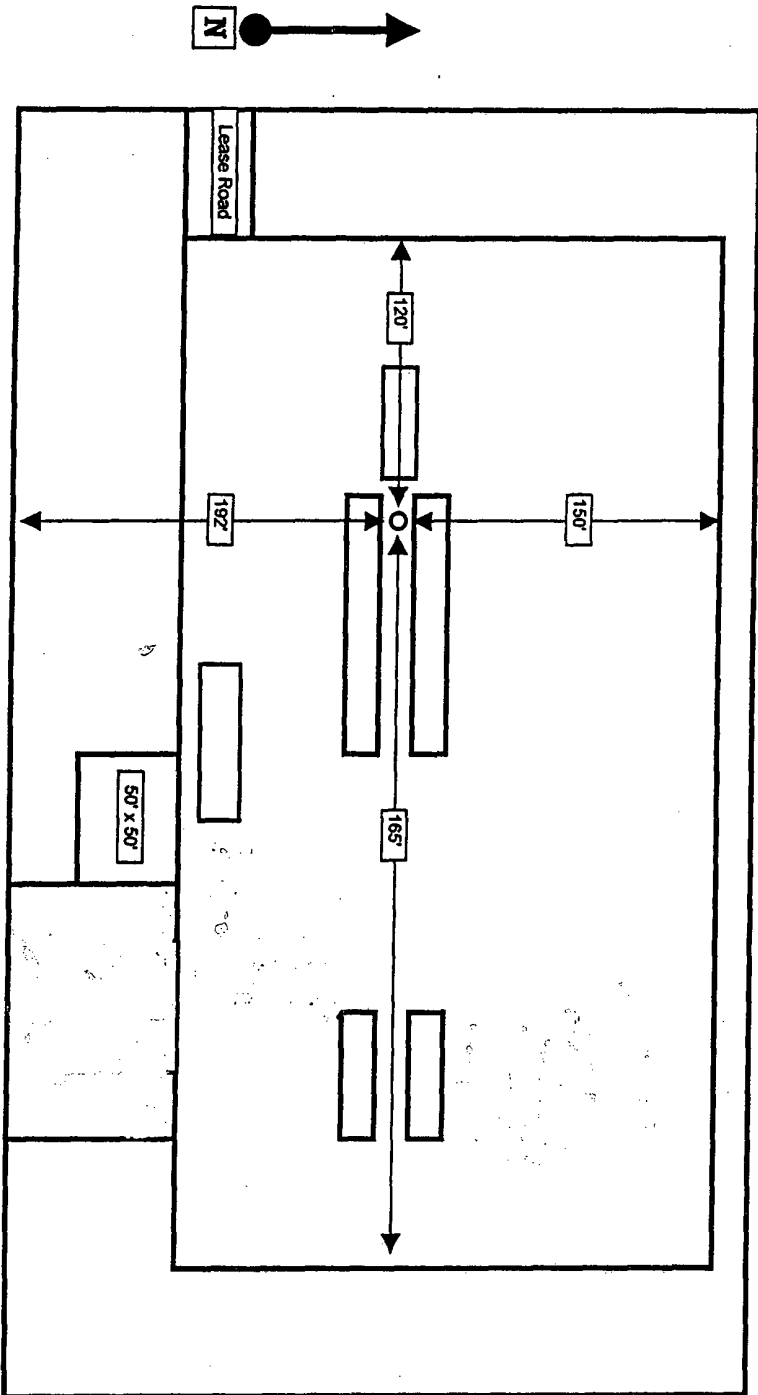
Pad Schematic

Green Wooley-Booger Federal "5" #1

Section 5-T19S-R24E

Eddy County, New Mexico

(Not to Scale)



Hydrogen Sulfide Drilling Operations Plan

for

David H. Arrington Oil & Gas, Inc.'s

Green Wooley-Booger Federal "5" #1

660' FWL & 2230' FSL
Section 5, T-19-S, R-24-E, N.M.P.M.
Eddy County, New Mexico

Lease Serial # NM-103591

ONE - Hydrogen Sulfide Training:

All personnel, whether regularly assigned, contracted or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- The hazards and characteristics of hydrogen sulfide (H₂S);
- The proper use and maintenance of personal protective equipment and life support systems;
- The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds; and,
- The proper techniques of first aid and rescue procedures.

In addition, the supervisory personnel will be trained in the following areas;

- The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements;
- Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- The contents and requirements of the H₂S Drilling Operations Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500') and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

TWO - H₂S Safety Equipment and Systems:

NOTE: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or, three days prior to penetration of the first zone containing, or reasonably expected to contain, H₂S.

1. Well Control Equipment:

- Flare line with flare igniter;
- Choke manifold with one remote hydraulic choke installed;
- Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit;
- Auxiliary equipment to include an Annular Preventer.

2. Protective equipment for essential personnel:

- The designated safety expert will provide 5-minute escape units located in the doghouse, and 30-minute air units at briefing areas.

3. H2S detection and monitoring equipment:

- Three portable H2S monitors will be positioned on location for the best coverage and response. These units have warning lights and audible sirens when triggered by H2S levels > 20 PPM.
- One portable SO2 monitor will be positioned near flare line during H2S flaring operations.

4. Visual warning systems:

- Wind direction indicators will be placed in accordance with the directives issued by the designated H2S expert.
- Caution/Danger signs shall be posted on roads providing direct access to the location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be legible from the immediate location.

5. Mud Program:

- The mud program will minimize the volume of H2S circulated to the surface. Proper mud weight safe drilling practices, and, if necessary, the use of H2S scavengers will minimize hazards when penetrating H2S bearing zones.

6. Metallurgy:

- All drill strings, casing, tubing, wellhead, blowout preventers, drilling spools kill lines, choke manifold and line valves shall be suitable for H2S service.
- All elastomers used for packing and seals shall be H2S trimmed.

7. Communications:

- Radio and telephone communications will be available in company vehicles and rig doghouse.

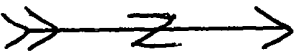
8. Well Testing:

- Drill stem testing will be performed with a minimum number of personnel necessary to safely and adequately conduct the test. The drill stem testing of any known formation that contains H2S will be conducted during daylight hours.

David H. Arrington Oil & Gas, Inc.
Green-Wailey Booger Fed "5" #1
Sec 5, T19S, R24E
Eddy County, NM

3'
pit
depth

ground level



50' x 50'
12 mil lined
workover-reentry
pit

Workover pit
diagram

Capacity: 1300
bbls

Not to scale