

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

0960

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMNM0540701
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator PERMIAN RESOURCES INC		7. If Unit or CA Agreement, Name and No. NMNM71828
Contact: BARBARA WATSON E-Mail: bwatson@permianresourcesinc.com		8. Lease Name and Well No. DRAG B 3
3a. Address 608 NORTH MAIN STREET MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 915.685.0113 Fx: 915.685.3621	9. API Well No. 30-015-33172
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENE Lot A 660FNL 660FEL At proposed prod. zone NENE Lot A 660FNL 660FEL		10. Field and Pool, or Exploratory CARLSBAD MORROW South
14. Distance in miles and direction from nearest town or post office*		11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T23S R27E Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'		12. County or Parish EDDY
16. No. of Acres in Lease 160.00		13. State NM
17. Spacing Unit dedicated to this well 120.00		
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 2640'		19. Proposed Depth 12100 MD 12100 TVD
20. BLM/BIA Bond No. on file		
21. Elevations (Show whether DF, KB, RT, GL, etc.) 3190 GL		22. Approximate date work will start 10/01/2003
23. Estimated duration 30 DAYS		

24. Attachments CARLSBAD CONTROLLED WATER BASIN

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

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) BARBARA WATSON	Date 09/23/2003
Title OPERATIONS		
Approved by (Signature) /s/ Joe G. Lara	Name (Printed/Typed) /s/ Joe G. Lara	Date 13 NOV 2003
Title ACTING FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify 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.

Additional Operator Remarks (see next page)

Electronic Submission #23794 verified by the BLM Well Information System  
For PERMIAN RESOURCES INC, sent to the Carlsbad  
Committed to AFMSS for processing by Linda Askwig on 09/23/2003 (03LA0726AE)

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

Permian Resources, INC., ORGRID # 25797

Drag B WELL NO. 3

Property Code No. 08977

660' FNL & 660' FEL, Unit A

NE/4 NE/4 of SEC. 19, T23S, R27E

EDDY COUNTY, NEW MEXICO

RECEIVED

2005 SEP 25 11:04

1. Surface Formation: Sandy soils of Quaternary Age.

2. Estimated Tops:

Andydrite	406'
Lamar	1,906'
Delaware	2,033'
Bone Springs	5,332'
Wolfcamp	8,813'
Cisco	9,640'
Canyon	5,700'
Strawn	10,315'
Wolfcamp	10,580'
Atoka	10,780'
Morrow - 1 <sup>st</sup> sand	11,685'
2 <sup>nd</sup> sand	11,745'
3 <sup>rd</sup> sand	11,915'
Barnett	12,050'

3. Anticipated Porosity Zones:

Water: 275'  
Gas: Atoka/Morrow  
Oil:

4. Existing Casing Design:

	Size	Interval	Weight	Grade	Joints
WITNESS	3 3/8"	0-550'	48#	J-55	ST&C
	9 5/8"	0-2700'	40#	J-55	ST&C
	<del>(Existing casing circulated cement to surface)</del>				
	5 1/2"	DV tool-9,800'	17 & 20#	J-55	ST&C
				HCP-110 & N-80	

5. Pressure Control Equipment: Double Ram-Type Preventer

6. Circulating Medium:

4500' - 11,800' Fresh Water mud with gel or lime as needed for viscosity control.

7. Auxiliary Equipment: Drill string safety valve.

8. Testing, logging and coring program: DST around 10,400', and possibility at 10,600', 11,500'.

9. Abnormal pressure: Temperatures or gases: None Anticipated

10. Anticipated Starting Date: As soon as application is approved.

SURFACE USE PLAN  
FOR  
DRILLING, COMPLETING AND PRODUCING

**PERMIAN RESOURCES INC.**  
DRAG B WELL NO. 3  
660' FNL & 660' FEL, Unit A  
NE/4 NW/4 of SEC. 19 T23S, R27E  
EDDY COUNTY, NEW MEXICO

LOCATED: 6.8 Miles E of CARLSBAD

OIL AND GAS LEASE: Previous Assigned LC-029424

ACRES IN LEASE: 320 Acres

RECORD LESSEE: PERMIAN RESOURCES, INC.

OPERATOR'S AUTHORITY: Designated operator

BOND COVERAGE: PERMIAN'S \$100,000 BOND  
BO3465

SURFACE OWNER: United States

WELL SPACING: 320 Acres

EXHIBITS: A. Area Road Map  
B. Topographic Map  
C. Surface Map  
D. Sketch of Well Pad

ROAD LOG (US82)  
PERMIAN RESOURCES, INC.  
DRAG B UNIT WELL NO.3  
660' FNL & 660' FEL, Unit A  
NE/4 NE/4 of SEC. 19 T23S, R27E  
EDDY COUNTY, NEW MEXICO

Beginning at the intersection of Hwy 285 and Derrick Road (Co Road 707) approximately 1.2 miles Southeast of Otis, New Mexico

Then Travel West on said Derrick Road 3.4 miles to Old Cavern Road (Co. Rd 748)

Then travel West through cattle guard and take the flagged left fork in a Southwesterly direction 0.9 mile to a N-S road, which is also flagged.

Then travel South along said road 0.4 mile to the Permian Resources, Inc., Drag B "2" gas well on the west side of said N-S road.

Then travel East along an E-W flagged pipeline right-of-way 0.5 mile to a point being approximately 130 feet North of proposed location.

THIRTEEN POINT PROGRAM

1. Existing Roads: Existing roads are shown on Exhibit "A".  
PERMIAN RESOURCES, Inc. will construct new road to location as well as blade and restore existing road.
2. Proposed Roads: A new road will continue from the Drag B #2 To the new location for Drag B #3.
3. Location of Existing Wells: Drag B #2, (2640' West)
4. Location of Existing Facilities:
  - A. There are existing facilities on lease at .
  - B. If Well No. 3 is productive, production and storage

facilities are on location at Drag B #2

5. Location and Type of Water Supply: Water for leasehold operations will be purchased off lease.
6. Source of Construction Materials: Road and well pad are already on lease, any materials needed will be taken off existing materials on location.
7. Methods of Handling Waste Disposal:
  - A. Drill cuttings will be disposed of in the drilling pits.
  - B. Drilling fluids will be allowed to evaporate in the drilling pits until the pits are dry.
  - C. Water produced during tests will be disposed of in drilling pits.
  - D. Oil produced during test will be stored in test tanks until sold.
  - E. Trash, waste paper, garbage and junk will placed in a trash trailer and hauled to land fill. All waste material will be contained to prevent scattering by the wind.
  - F. All trash and debris will be removed from wellsite within 45 days after finishing drilling and/or completion operations.
8. Ancillary Facilities: None anticipated.
9. Wellsite Layout:
  - A. The wellsite has been surveyed and a 400' X 400' area has been staked and flagged.
  - B. The dimensions and relative location of the drill pad, mud pit, and trash trailer with respect to the well bore are shown on Exhibit "D" or Sketch of Well Pad.
  - C. The well pad will be resurfaced with caliche found in place.
10. Plans for Restoration of the Surface:
  - A. All equipment and other material not needed for operations will be removed. Pits will be filled and the location cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing condition as possible.
  - B. An ungraded pits containing fluids will be fenced until they are filled.
  - C. After abandonment, all equipment, trash and junk will be removed and the location cleaned.

11. Other Information:

- A. Topography: The wellsite is at an elevation of 3836' and situated on a plain.
- B. Soil: The soil is sandy and rocky.
- C. Land Type & Use: The vicinity surrounding the drill site is semi-arid rangeland and its primary use is for the production of oil and gas and for grazing.
- D. Flora: Vegetative cover is sparse. Flora consists primarily of brush, range grasses and cacti.
- E. Water Wells: There are no known water wells within two miles.
- F. Residences and Other Structures: There are no occupied dwellings within two miles.
- G. Archaeological, Historical, & Cultural Sites: Boone Archaeological Services conducted an archaeological study on the Drag B Well No. 3 and access road.

12. Operator's Representatives:

- A. Mike Stewart, Engineer  
Permian Resources, Inc.  
608 N. Main  
Midland, Texas 79701  
Telephone: 915/685-0113
- B. Robert Marshall  
Permian Resources, Inc.  
608 N. Main  
Midland, Texas 79701  
Telephone: 915/685-0113

13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access road; that I am familiar with the conditions which presently 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 Permian Resources, Inc. and its sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

September 13, 2003  
Date

  
Barbara Watson

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

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

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

DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015	Pool Code 73960	Pool Name Carlsbad, South Morrow
Property Code 08977	Property Name DRAG "B"	Well Number 3
OGRID No. 25797	Operator Name PERMIAN RESOURCES, INC.	Elevation 3190

Surface Location

UL or lot No. A	Section 19	Township 23 S	Range 27 E	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 660	East/West line EAST	County EDDY
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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
Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.						

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

<p>Plane Coordinate X = 534,306.4 Y = 471,286.9</p>	<p>OPERATOR CERTIFICATION</p> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <p><i>Barbara Watson</i> Signature Barbara Watson Printed Name Operations Title 9-13-2003 Date</p>
	<p>SURVEYOR CERTIFICATION</p> <p>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.</p> <p>June 27, 2003 Date Surveyed Signature &amp; Seal of Professional Surveyor W.O. Num. 2003-0444 Certificate No. MACON McDONALD 12185</p>

NOTE:  
1) Plane Coordinates shown hereon are Transverse Mercator and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.

The map displays the Carlsbad and Loving region in New Mexico. Carlsbad is located in the upper left, with a population of 25,541. Loving is in the lower right, with a population of 1,646. The Carlsbad Well, a significant oil well, is marked with a gear symbol and labeled 'Permian Resources, Inc. Drag "B" #3'. The map shows the Carlsbad East, Davis, and Cavern City Dragway. Major roads like Highway 62, Highway 180, and Highway 285 are indicated. The map includes a grid system with coordinates and various geographical features like hills, canyons, and a sewage disposal plant.

SEC. 19 TWP. 23-S RNG. 27-E  
SURVEY N.M.P.M.  
COUNTY EDDY, NEW MEXICO  
DESCRIPTION 660' FNL & 660' FEL  
ELEVATION 3190'  
OPERATOR PERMIAN RESOURCES, INC.  
LEASE DRAG "B"



**WEST  
COMPANY**  
of Midland, Inc.

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
687-0865 - (915) 687-0868 FAX



This topographic map depicts a region with numerous contour lines indicating elevation. Key features include:

- Landmarks and Structures:**
  - DRAG "B" #3** and **Conoco** are labeled in the upper right quadrant.
  - Gravel Pit** is located in the lower left quadrant.
  - Draw** is labeled in the lower right quadrant.
  - Cass** is labeled near the bottom center.
- Elevations and Contours:**
  - Spot elevations are marked with 'x' and 'o' symbols, such as **x3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214T**, **3218T**, **3220T**, **3221T**, **3238T**, **3222T**, **3223T**, **3204T**, **3206T**, **3192T**, **3196T**, **3187T**, **3176T**, **3173T**, **3188T**, **3192T**, **3187T**, **3179T**, **3187T**, **3196T**, **3202T**, **3206T**, **3226**, **3239T**, **3249T**, **3241T**, **3231T**, **3214**

CONTOUR INTERVAL: 5'  
OTIS

U.S.G.S. TOPOGRAPHIC MAP  
OTIS

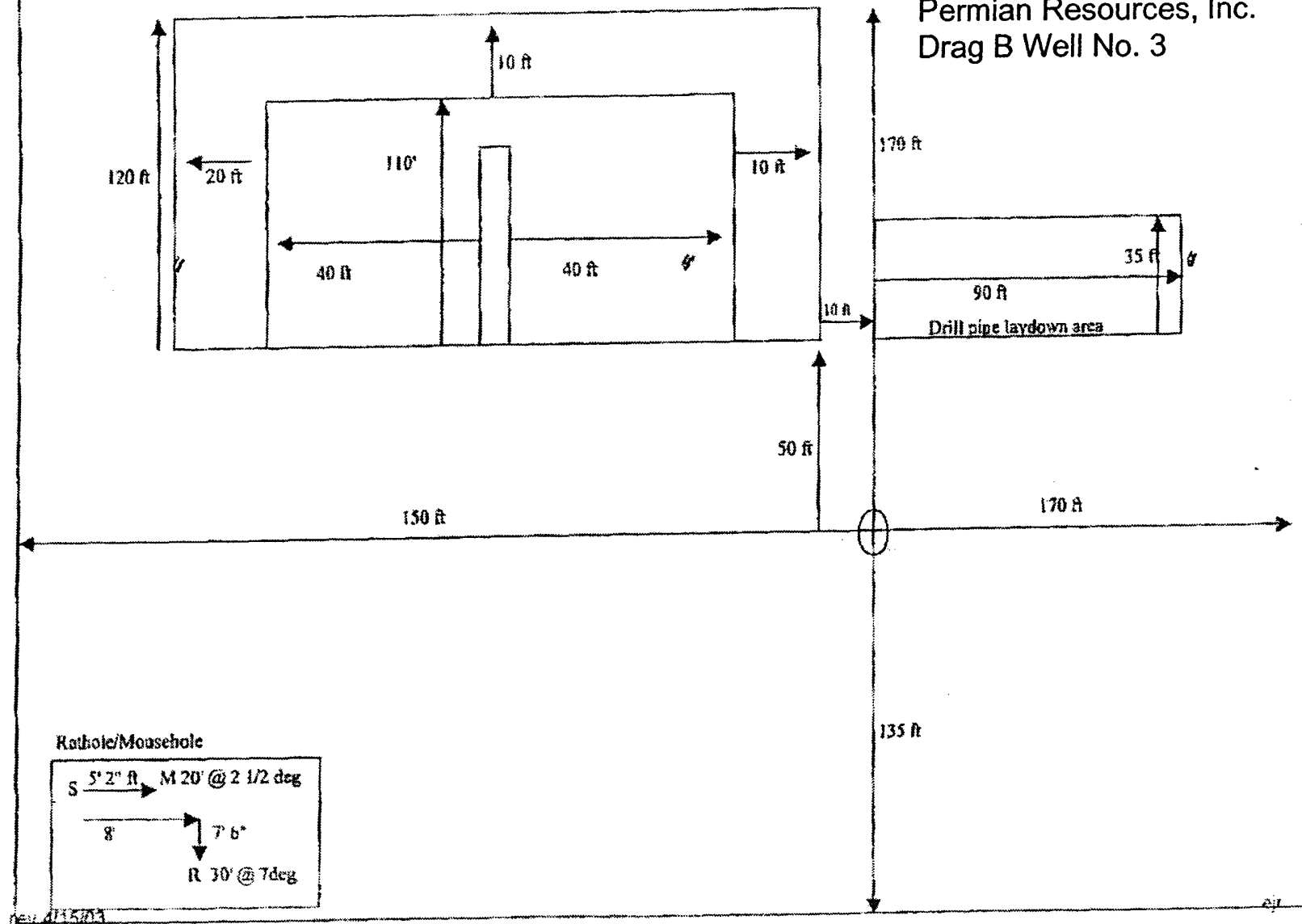


**WEST  
COMPANY**  
of Midland, Inc.

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(915) 687-0865 - (915) 687-0868 FAX

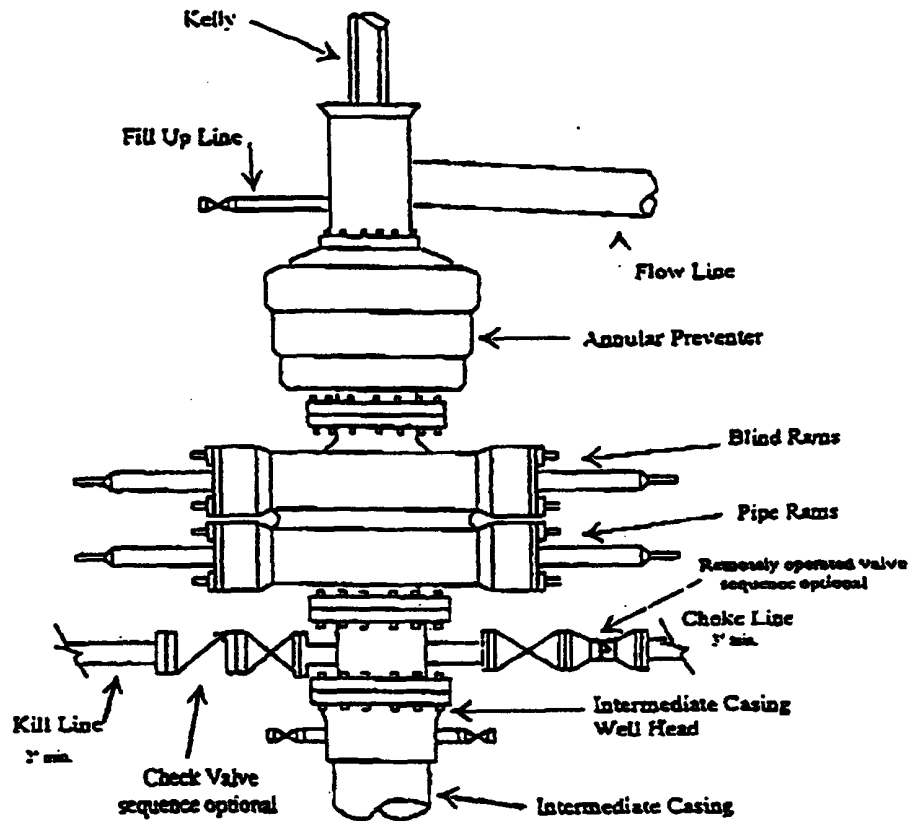
## TMBR/SHARP DRILLING COMPANY

Rig 23

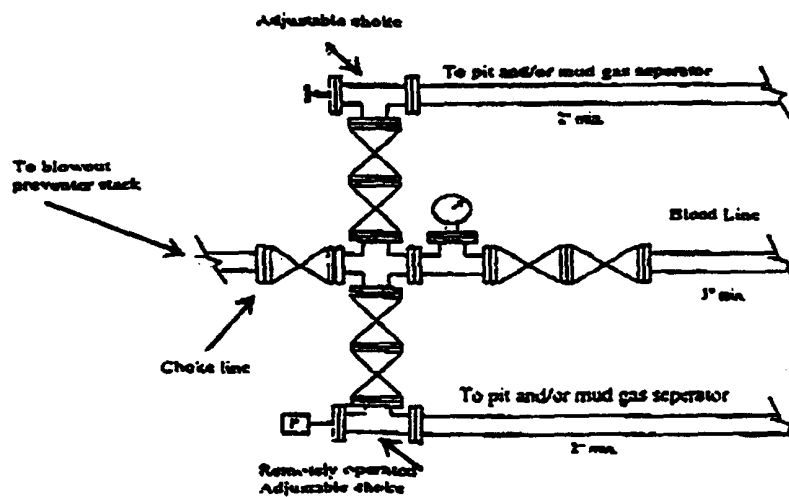
Permian Resources, Inc.  
Drag B Well No. 3



Typical 5,000 psi Pressure System  
Schematic  
Annular with Double Ram Preventer Stack



Typical 5,000 psi choke manifold assembly with at least these minimum features



**TITLE PAGE/ABSTRACT/  
NEGATIVE SITE REPORT  
CFO/RFO**

1/03

1. BLM Report No.		2. Reviewer's Initials/Date _____ ACCEPTED ( ) REJECTED ( )		3. NMCRIS No.: 84880	
4. Type of Report:                      Negative (X)                      Positive (     )					
5. Title of Report: Class III archaeological survey of a pad and access road for the Drag "B" well No. 3. Author(s): Ann Boone				6. Fieldwork Date(s) from 27 August, 2003 to	
				7. Report Date    28 August, 2003	
8. Consultant Name & Address: Boone Archaeological Services 2030 North Canal Carlsbad, NM 88220 Direct Charge: Danny Boone Field Personnel Names: Danny Boone Phone: (505) 885-1352				9. Cultural Resource Permit No. 190-292-03E NM-03-157	
				10. Consultant Report No. BAS 07-03-13	
11. Customer Name: Permian Resource, Inc. Responsible Individual: Barbara Watson Address: PO Box 590 Midland, Texas 79702 Phone: (915) 685-0113				12. Customer Project No.: None	
13. Land Status	BLM	STATE	PRIVATE	OTHER	TOTAL
a. Area Surveyed (acres)	0	10.14 (Fed. Min.)	0	0	10.14 (+/-)
b. Area of Effect (acres)	0	3.95 (Fed. Min.)	0	0	3.95 (-/+)
14. a. Linear: Length; 700'                      Width; 130' b. Block: 600' x 600'					
15. Location: (Maps Attached if Negative Survey) a. State: New Mexico b. County: Eddy c. BLM Office: Carlsbad d. Nearest City or Town: Loving, NM e. Legal Location: T 23S, R 27E, Sec. 19, NE NE: f. Well Pad Footages: 660' FNL 660' FEL g. USGS 7.5 Map Name(s) and Code Number(s): OTIS, NM (1985) 32104-C2					

16. Project Data:

a. Records Search: Date(s) of BLM File Review: 24 July, 2003

Name of Reviewer (s): Ann Boone

Date(s) of ARMS Data Review: 24 July, 2003

Name of Reviewer (s): Ann Boone

Findings (see Field Office requirements to determine area to be reviewed during records search):

LA 28725 is within 0.25 mile

b. Description of Undertaking:

This project is located on State Of New Mexico Land that has Federal Minerals administered by the Carlsbad Bureau Of Land Management. The project was first inspected by Danny Boone on 25 July 2003 and the corners of the pad were not staked. On 27 August 2003 Danny Boone met with Randy Bruno of Permian Resources at the location and the pad corners were staked as a 600' x 600' and the access road was staked going east southeast from the southeast portion of the pad survey area to connect to Eddy County Road "Old Cavern Highway". An additional 50' along the northern boundary was also surveyed at this time because of Mr. Bruno's concern that the drill hole might have to be moved north in order to avoid a buried west to east trending pipeline that is 125' south of the drill hole. Approximately 300' of the proposed road is within the pad survey area leaving an estimated 400' for survey acres. In the extreme southeast portion of the pad 600' x 600' survey area there is a southwest to northeast trending buried pipeline that the access road will cross in addition to a barbwire ROW fence along the "Old Cavern Highway". Location, footage and acres of the access road were estimated by the use of a hand held GPS Unit.

c. Environmental Setting (NRCS soil designation; vegetative community; etc.):

Topography: Flat featureless alluvial plain.

Vegetation: Approximately 10% ground cover, tarbush, creosote bush, prickly pear cactus, various grasses and other flora.

NRCS: Reagan-Upton association: Loamy, deep soils and soils that are shallow to caliche; from old alluvium.

d. Field Methods: (transect intervals; crew size; time in field, etc.):

Transects: For the pad a grid of parallel transects spaced 15 meters or less, for the road 2 transects spaced up to 10 meters apart on each side of staked centerline.

Crew Size: One

Time in Field: 4.0 hrs.

e. Artifacts Collected (?): None

17. Cultural Resource Findings: None

a. Identification and description:

b. Evaluation of significance of Each Resource:

18. Management Summary (Recommendations):

Archaeological clearance of a pad and access road for the Drag "B" well No.3 for Permian Resources, Inc. as presently staked is recommended. If cultural resources are encountered at any time, all activity should cease and the BLM Archaeologist notified immediately.

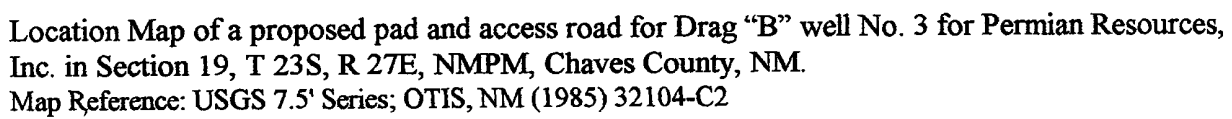
19.

I certify that the information provided above is correct and accurate and meets all appreciable BLM standards.

Responsible Archaeologist

*Danny Boone*  
Signature

*25 Aug 2003*  
Date



August 27, 2003

Copy

Boone Archaeological Services LLC  
2030 North Canal  
Carlsbad, New Mexico 88220  
Phone 505-885-1352

TO: David Eck, Archaeologist, New Mexico State Land Office, Santa Fe, New Mexico  
  
Michelle M. Ensey, Archaeologist, State Historic Preservation Office, Santa Fe, New Mexico  
  
FROM: Danny Boone, Principal Investigator, Boone Archaeological Services, LLC  
  
SUBJECT: Notification of intent to conduct an archaeological survey on New Mexico State Trust Lands of a pipeline Right of Way. This survey will be conducted under the auspices of New Mexico Annual State Trust Land Archaeological Survey Permit No. NM -03-157 and BLM Permit No. 190-2920-03 E issued to Boone Archaeological Services, LLC.

Boone Archaeological Services, LLC reference No. BAS 07-03-13

Map Reference; U.S.G.S. 7.5' Series: OTIS, NM (1985) 32104-C2

**PROJECT DESCRIPTION:**

Permian Resources, Inc. of Midland, Texas has requested that Boone Archaeological Services conduct an intensive (Class III) pedestrian, archaeological survey of a pad on New Mexico State Trust Lands with Federal Minerals. The entire project will be archaeological evaluated in order to prevent damage to any cultural resources on New Mexico State Trust Lands. The survey is not for the purpose of research.

The New Mexico State Trust Land is located in T22S R27E Section 19; NE¼ NE¼ NMPM Eddy County, New Mexico. Construction of the proposed pad and access road will disturb 3.95 acres (pad 400 ft. x 400 ft.) (access road 700 ft. x 30 ft.) for a total of 181,000 sq. ft. area on New Mexico State Land surface. A total 10.14 acres (pad 600 ft. x 600 ft.) (access road 700 ft. x 130 ft.) for a total of 451,000 sq. ft. area of New Mexico State Land surface will be inspected for archaeological remains.

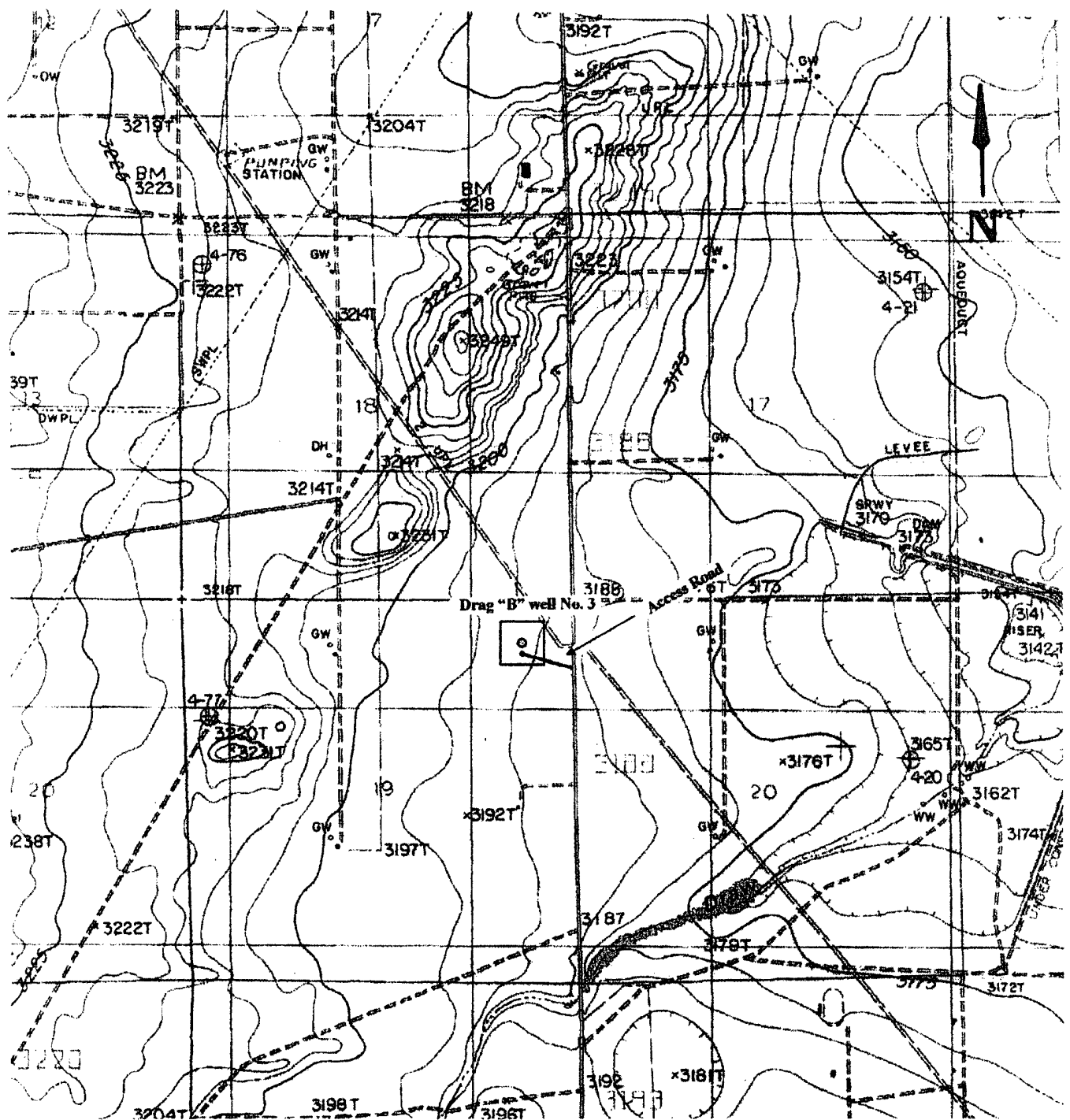
The survey will be accomplished on foot, with two zigzag transects spaced up to 20 meter on each side, with additional inspection of any probable appearing areas in the immediate vicinity of the project. The survey will conform to a Class III (100%) inventory of the project area. Further information on survey methodology, mapping and recording procedures, collection procedure, analytical procedure, personnel, etc., (employed by Boone Archaeological Services, LLC) is on file with the SHPO.

Principal Investigator:

Ray Boone

Enclosure: Project map with area on State Land marked in red.





Location Map of a proposed pad and access road for Drag "B" well No. 3 for Permian Resources, Inc. in Section 19, T 23S, R 27E, NMPM, Chaves County, NM.  
Map Reference: USGS 7.5' Series; OTIS, NM (1985) 32104-C2

