

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834

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

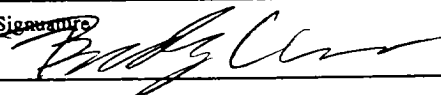
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL (deepen) <input type="checkbox"/> REENTER		5. Lease Serial No. LC-029389 (A) NMLC-28098	
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 Anadarko Petroleum Corp.		7. Unit or CA Agreement Name and No. N/A	
3a. Address P.O. Box 2497, Midland, TX 79702		8. Lease Name and Well No. BAISH FEDERAL #6	
3b. Phone No. (include area code) 915-683-0559		9. API Well No. 30-015-30902	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 1980 FNL & 660 FWL UL E At proposed prod. zone SAME		10. Field and Pool, or Exploratory WILDCAT (WOLFCAMP)	
14. Distance in miles and direction from nearest town or post office* 6.5 MILES SE OF LOCO HILLS, NM		11. Sec., T., R., M., or Blk. and Survey or Area SEC 9, T18S, R31E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 660		12. County or Parish EDDY	
16. No. of Acres in lease 40 ACRES		13. State NM	
17. Spacing Unit dedicated to this well 40 ACRES		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1330	
19. Proposed Depth 9550		20. BLM/BIA Bond No. on file 153571	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3712 KB		22. Approximate date work will start* 4/15/2001	
		23. Estimated duration 15 DAYS	

24. Attachments

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 	Name (Printed/Typed) BRAD CROSS	Date 03/13/01
Title SR. PRODUCTION ENGINEER		
Approved by (Signautre) (ORIG. SGD.) DAVID R. GLASS	Name (Printed/Typed)	Date MAR 16 2001
Title PETROLEUM ENGINEER		

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, are attached.

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)

**Well Completion or Recompletion Report
And Log (Form 3160-4) Required After All
Recompletion Work Has Been Completed.**

WELL NAME:

Baish Federal #6

CURRENT CONFIGURATION

LEGAL

1980' FNL & 660' FWL

WELLBORE SKETCH

SS-TWN-RNG

Sec 9, T183, R31E

FIELD

Shugart Bone Spring Field

COUNTY, STATE

Eddy County, New Mexico

WI:

1.000000

RI:

0.800000

API No:

30-015-30902

SURFACE CASING:

13-3/8 48# H-40 @ 704' w/ 610 sx (circ 107 sx)

INTERM CASING:

8-5/8 24# J-55 @ 2184' w/ 690 sx (circ 124 sx)

PROD CASING:

5-1/2 17# N-80 @ 8945' w/ 1435 sx (circ 215 sx)

TUBING:

GL:

3697'

KB:

3712'

TD:

8945'

PBD:

8901'

PRODUCING INTERVALS

FORMATION	INTERVAL	SPF
2nd Bone Spring Dol	7820-36', 7846'-80'	104 holes

PUMPING EQUIPMENT

RESERVOIR

DATE	DATA
N/A	

INJECTION DATA

LOGS

DATE	TYPE
2/20/00	Mud Log
2/20/00	GR/CNL/DDL
2/20/00	GR/DLL/MLL

STIMULATION HISTORY

DATE	ACTION	RESULT
Mar-00	2nd BS Dolomite	IP 6 BO, 3 BW, 20 MCF

WELL HISTORY

Feb-00	Drilled to Bone Spring. TD 8945'.
Mar-00	Perf & Acid 2nd BS Dol w/ 10M gal SXE + 4.5M gal 20% HCl, ISIP 2129
Apr-00	Re-perf and frac 2 nd Dol w/ 8.4M gal foamed MSR100, ISIP 3250
May-00	Sand frac 2nd Dol w/22.5M gal XLG & 56.5M# 20/40 sand

13-3/8 48# H-40 @ 704' w/ 610 sx (circ 107 sx)

8-5/8 24# J-55 @ 2184' w/ 690 sx (circ 124 sx)

2nd Bone Spring Dol

= 7820-36', 7846'-80'

5-1/2 17# N-80 @ 8945' w/ 1435 sx (circ 215 sx)

TD = 8945'

PBD = 8901'

WELL NAME:

Baish Federal #6

PROPOSED CONFIGURATION

WELLBORE SKETCH

LEGAL

1980' FNL & 660' FWL

SS-TWN-RNG

Sec 9, T183, R31E

FIELD

Shugart Bone Spring Field

COUNTY, STATE

Eddy County, New Mexico

WI:

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RI:

0.800000

API No:

30-015-30902

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LOGS

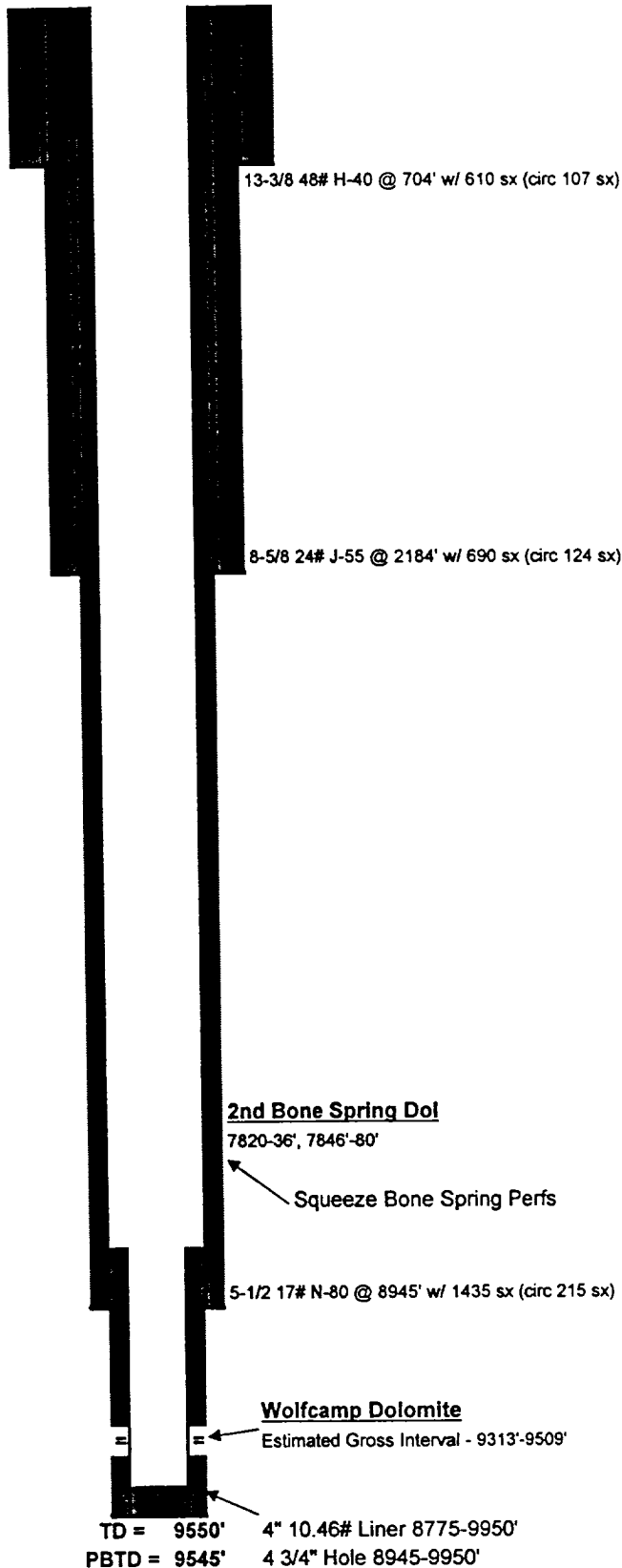
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DRILLING PROGRAM

Attachment to Form 3160-3
Anadarko Petroleum Corporation
Baish Federal No. 6
1980' FNL & 660' FWL
Section 9, T18S, R31E
Eddy County, New Mexico

The Baish Federal #6 is currently producing from the Bone Spring Formation. The proposed operation calls for the well to be deepened with a well pulling unit approximately 600' to the Wolfcamp Formation. The existing location and access roads will be used and will not require modification.

1. Geologic Name of Surface Formation

Quaternary Alluvium

2. Estimated Tops of Important Geological Formations

Wolfcamp 9265'

3. Estimated Depths of Anticipated Fresh Water, Oil or Gas

Water: None Anticipated
Oil: 9300'
Gas: Very Little Anticipated

No other formations are expected to yield oil, gas or fresh water in measurable volumes.

4. Casing Program

Existing:

<u>Hole Size</u>	<u>Interval</u>	<u>Casing OD</u>	<u>Weight</u>	<u>Grade</u>	<u>TOC</u>
17-1/2"	0' - 704'	13-3/8"	48#	H-40	Surface
11"	0' - 2184'	8-5/8"	24#	J-55	Surface
5 1/2"	0' - 8945'	5-1/2"	17#	N-80	Surface

Proposed:

<u>Hole Size</u>	<u>Interval</u>	<u>Liner OD</u>	<u>Weight</u>	<u>Grade</u>	<u>Type</u>
4 3/4"	8945' - 9550'	4"	10.46#	N-80	FL4S

Cementing Program

9550' 4" Production Liner
Slurry:

Cement to cover from 9550' up to and inside 5 1/2" casing to 8775' using CI H with 5.0% NaCl, 0.5% CD32, & 0.5% FL25,

5. Minimum Specifications for Pressure Control

The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a (3M system) double ram type (3000# WP) preventor. This unit will be manually operated. The BOP will be installed on the 5 1/2" production casing and utilized continuously until total depth is reached. As per BLM Drilling Operations Order #2, prior to drilling out the 5 1/2" casing shoe, the BOP will be function tested.

Pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These function tests will be documented on the daily driller's log. Other accessory BOP equipment will include a kelly cock, floor safety valve, choke lines and choke manifold having a 3000# WP rating.

6. Types and Characteristics of Proposed Mud System

This well will be drilled to total depth with a cut brine and starch mud system. Depths are as follows:

<u>Depth</u>	<u>Type</u>	<u>Weight (ppg)</u>	<u>Viscosity</u>	<u>Water Loss</u>
8900' - TD	Cut Brine	9.5 - 9.8	29	< 20 cc

7. Auxiliary Well Control and Monitoring Equipment

- A. A kelly cock will be in the drill string at all times.
- B. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.

8. Logging, Testing and Coring Program

- A. No drillstem tests are planned.
- B. The open hole electrical logging program will be:
 - 1. DLL/MSFL/GR (TD to 8500')
Note: GR will be pulled to Ground Level
 - 2. DEN/NEU/CAL (TD to 8500')
Note: Neutron log will be pulled to Ground Level
- C. No coring program is planned.
- D. No additional testing will be initiated subsequent to setting the 4" production liner.

9. Abnormal Pressures, Temperatures and Potential Hazards

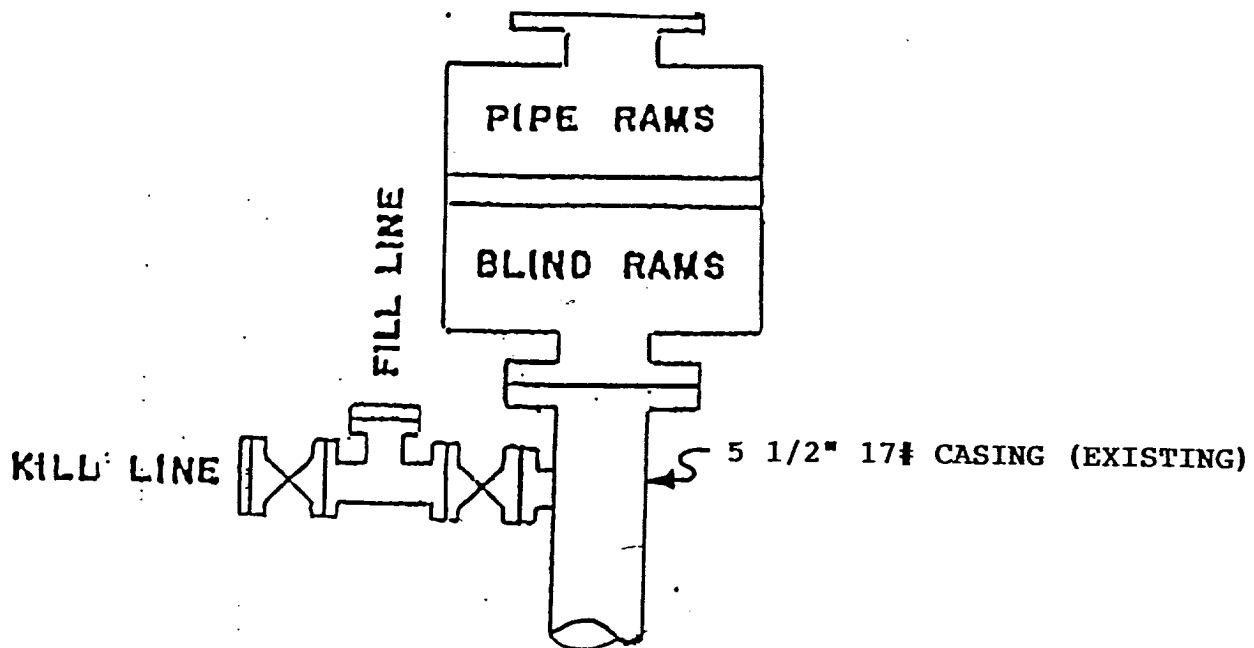
No abnormal pressures or temperatures are expected. The anticipated bottom hole temperature at total depth is 160 degrees and maximum bottom pressure is 4100 psia. No major lost circulation intervals have been encountered in adjacent wells.

10. Anticipated Starting Date and Duration of Operations

No work will be undertaken until approval has been received from the BLM. This operation will take place on existing roads and surface locations. The anticipated start date for this project is April 15, 2001. The drilling operation should require approximately 5 days. If the well is deemed productive, completion operations will require an additional 10 days for completion and testing.

BLOWOUT PREVENTOR ARRANGEMENT

7 1/16" TOWNSEND MANUAL API BOP, 3000 psi WP



EXHIBIT

BAISH FEDERAL #6
EDDY COUNTY, NEW MEXICO
ANADARKO PETROLEUM
BOP EQUIPMENT SCHEMATIC