Form 3160-3
(August 1999)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

# APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
NM - 012202

6. If Indian, Allottee or Tribe Name

1a. Type of Work: ☒ DRILL ☐ REENTER

7. If Unit or CA Agreement, Name and No.

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

8. Lease Name and Well No.
BOLACK B 8 N

2. Name of Operator
BP AMERICA PRODUCTION COMPANY
Contact: CHERRY HLAVA
E-Mail: HLAVACL@BP.COM

9. API Well No.
30-045-32795

3a. Address
HOUSTON, TX 77253-3092

3b. Phone No. (include area code)
Ph: 281.366.4081

10. Field and Pool, or Exploratory
BASIN DK & BLANCO MV

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface SWNW 1910FNL 1180FWL 36.61972 N Lat, 107.69139 W Lon

At proposed prod. zone SWNW 1910FNL 1180FWL 36.61972 N Lat, 107.69139 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 33 T28N R08W Mer NMP
E

14. Distance in miles and direction from nearest town or post office*
21 MILES S/E FROM BLOOMFIELD, NM

12. County or Parish
SAN JUAN

13. State
NM

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
730

16. No. of Acres in Lease
320.00

17. Spacing Unit dedicated to this well
320.00 N/2

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
100

19. Proposed Depth
6745 MD
6745 TVD

20. BLM/BIA Bond No. on file
WY2924

21. Elevations (Show whether DF, KB, RT, GL, etc.
5906 GL

22. Approximate date work will start
02/20/2004

23. Estimated duration
7

## 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.
2. A Drilling Plan.
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).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

| 25. Signature | Name (Printed/Typed) | Date |
|---|---|---|
| (Electronic Submission) | CHERRY HLAVA Ph: 281.366.4081 | 12/31/2004 |

Title
REGULATORY ANALYST

| Approved by (Signature) | Name (Printed/Typed) | Date |
|---|---|---|
| /s/ Matthew Mavrot | | 4-22-05 |
| Title AFM | Office FFO | |

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.

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 #52463 verified by the BLM Well Information System**
**For BP AMERICA PRODUCTION COMPANY, sent to the Farmington**

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

NMOCD

District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| 1 API Number | 2 Pool Code | 3 Pool Name |
|---|---|---|
| 30-045-32795 | 71599; 72319 | Basin Dakota / Blanco Mesaverde |

| 4 Property Code | 5 Property Name | 6 Well Number |
|---|---|---|
| 000325 | Bolack B | # 8N |

| 7 OGRID No. | 8 Operator Name | 9 Elevation |
|---|---|---|
| 000778 | BP AMERICA PRODUCTION COMPANY | 5906 |

## 10 Surface Location

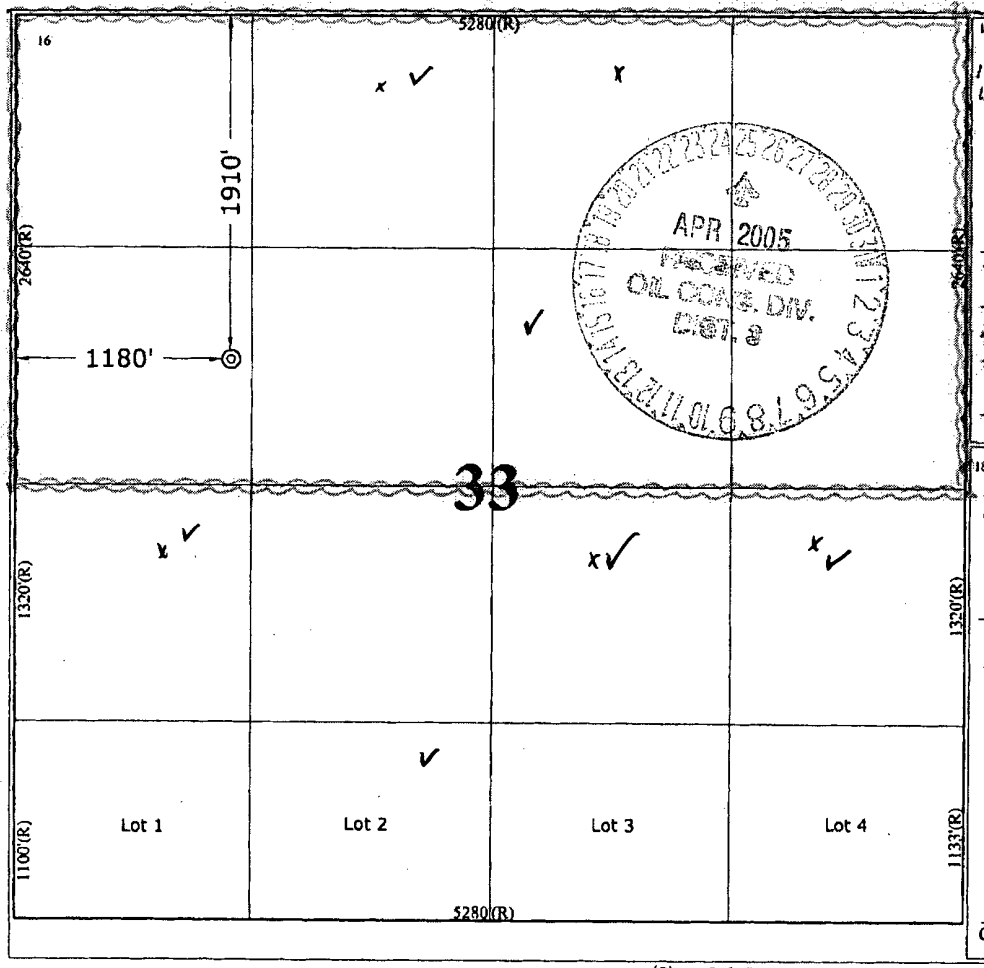
| UL or Lot No. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| E | 33 | 28 N | 8 W | | 1910 | NORTH | 1180 | WEST | SAN JUAN |

## 11 Bottom Hole Location If Different From Surface

| 7 UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

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

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




## 17 OPERATOR CERTIFICATION

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

Cherry Hlava
Signature

Cherry Hlava
Printed Name

Regulatory Analyst
Title

12-21-04
Date

## 18 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.*

September 16, 2004
Date of Survey

Signature and Seal of Professional Surveyor

GARY L. VANN
NEW MEXICO
7016
REGISTERED PROFESSIONAL LAND SURVEYOR

7016
Certificate Number

(R) - GLO Record

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

WELL API NO.
**NEW WELL**

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name
**Bolack B**
**(APD filed with BLM NM 012202)**

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

8. Well Number
**8 N**

2. Name of Operator
**BP AMERICA PRODUCTION COMPANY**

9. OGRID Number
**000778**

3. Address of Operator
**P.O. BOX 3092 HOUSTON, TX 77079-2064**

10. Pool name or Wildcat
**Basin Dakota & Blanco Mesaverde**

4. Well Location
Unit Letter **E** : **1910** feet from the **North** line and **1180** feet from the **West** line
Section **33** Township **28N** Range **08W** NMPM **SAN JUAN** County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
**5906'**

**Pit or Below-grade Tank Application ☒ or Closure ☐**

**Pit type DRILLING Depth to Groundwater >100' Distance from nearest fresh water well > 1000' Distance from nearest surface water > 1000'**

**Pit Liner Thickness: 12 mil Below-Grade Tank: Volume _____ bbls; Construction Material IMPERVIOUS**

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|---|---|---|---|
| PERFORM REMEDIAL WORK ☐ | PLUG AND ABANDON ☐ | REMEDIAL WORK ☐ | ALTERING CASING ☐ |
| TEMPORARILY ABANDON ☐ | CHANGE PLANS ☐ | COMMENCE DRILLING OPNS. ☐ | P AND A ☐ |
| PULL OR ALTER CASING ☐ | MULTIPLE COMPL ☐ | CASING/CEMENT JOB ☐ | |
| OTHER: **LINED DRILLING PIT** ☒ | | OTHER: ☐ | |

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

**Construct a lined drilling pit per BP America – San Juan Basin Drilling/ Workover Pit Construction Plan issued date of 04/15/2004. Pit will be closed according to closure plan on file.**

I hereby certify that the information above is true and complete to the best of my knowledge and belief. **I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.**

SIGNATURE *Cherry Hlava* TITLE Regulatory Analyst DATE 12/31/2004

Type or print name Cherry Hlava E-mail address: hlavacl@bp.com Telephone No. 281-366-4081

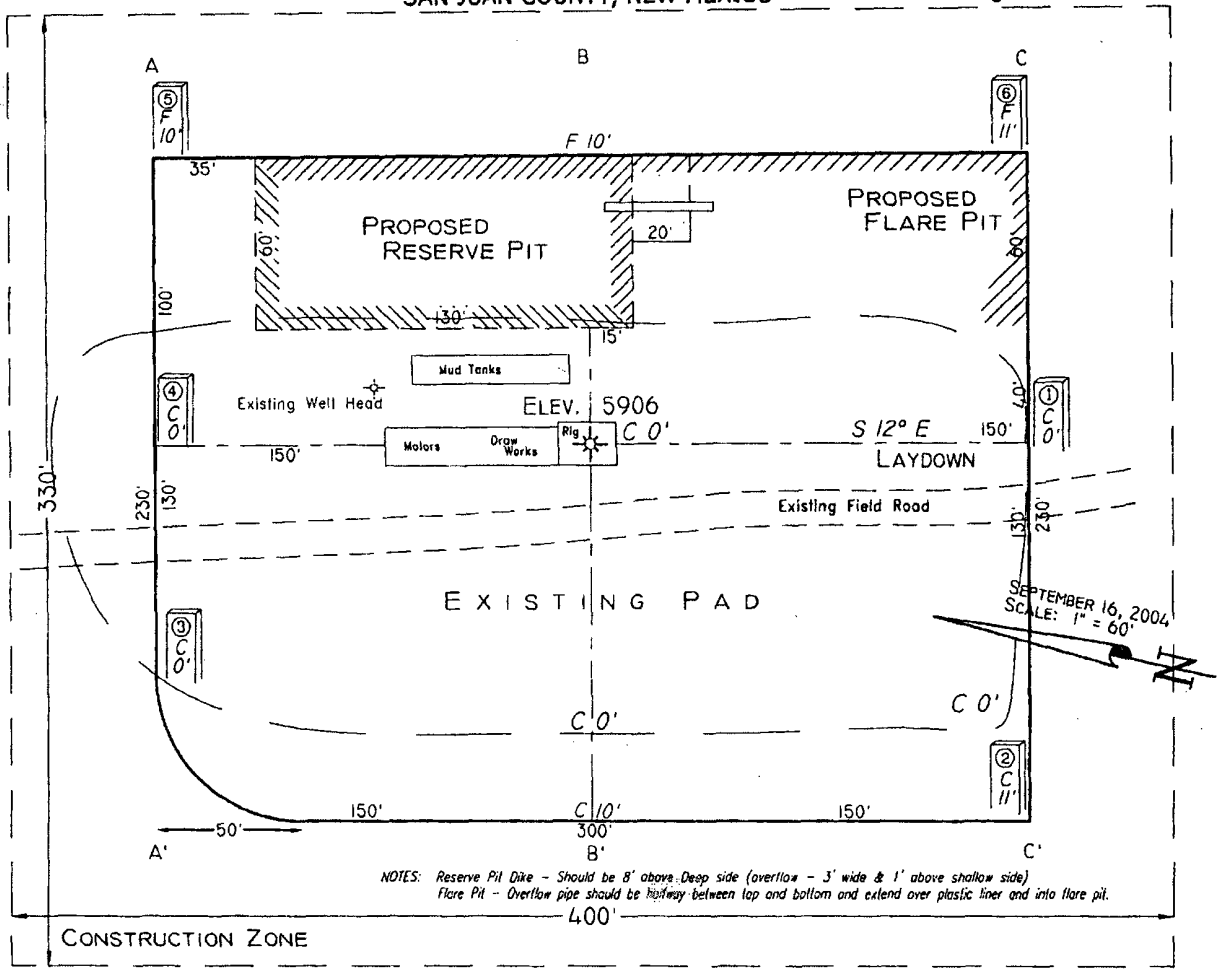
**For State Use Only**

APPROVED BY: _____ TITLE DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE APR 25 2005

Conditions of Approval (if any):

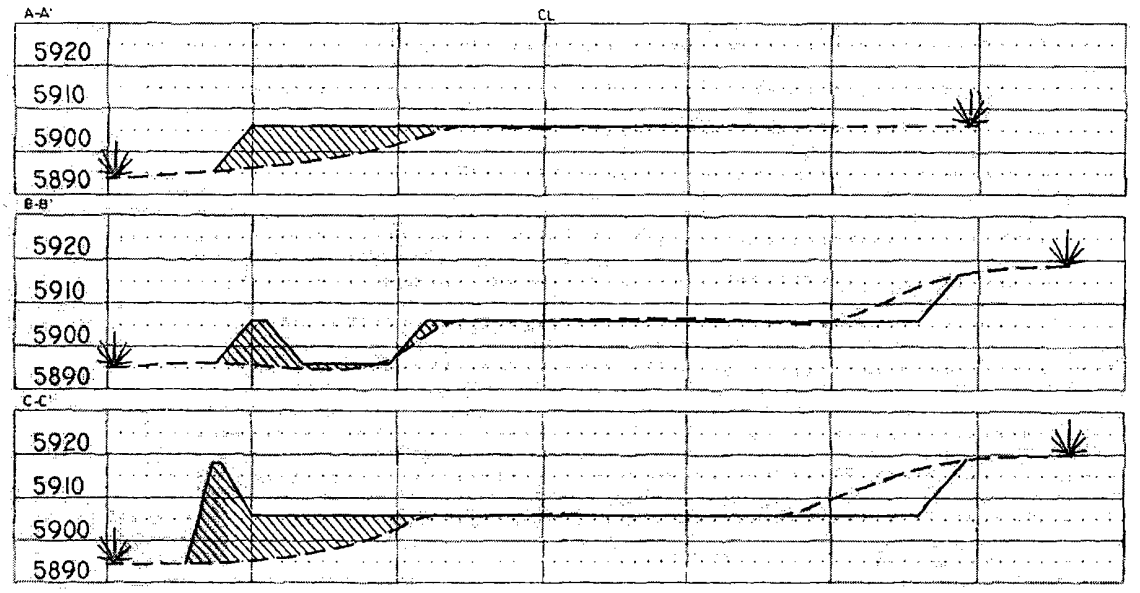
PAD LAYOUT PLAN & PROFILE
BP AMERICA PRODUCTION COMPANY
Bolack B # 8N
1910' F/NL 1180' F/WL
SEC. 33, T28N, R8W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO

Lat: 36°37'11"
Long: 107°41'29"




Area of Construction Zone - 330'x400' or 3.03 acres, more or less.

SCALE: 1"=60'-HORIZ.
1"=40'-VERT.




*NOTE: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction.*

*Cuts and fills shown are approximate - final finished elevation is to be adjusted so earthwork will balance. Corner stakes are approximate and do not include additional areas needed for sideslopes and drainages. Final Pad Dimensions are to be verified by Contractor.*


*VANN SURVEYS*
*P. O. Box 1306*
*Farmington, NM*

# BP AMERICA PRODUCTION COMPANY

## DRILLING AND COMPLETION PROGRAM

10/11/2004

| | | | | | |
|---|---|---|---|---|---|
| **Lease:** | Bolack B | **Well Name & No.** | Bolack B #8N | **Field:** | Blanco Mesaverde/Basin Dakota |
| **County:** | San Juan, New Mexico | **Surface Location:** | 33-28N-8W : 1910' FNL, 1180' FWL | | |
| **Minerals:** | BLM | **Surface:** | Lat: 36.6199267 Long:-107.6911987 | | |
| **Rig :** | Aztec 184 | **BH Location:** | same | | |
| **OBJECTIVE:** | Drill 250' below the top of the Two Wells Mbr, set 4-1/2" production casing. Stimulate DK, MF, and PL intervals. | | | | |

**METHOD OF DRILLING**

| TYPE OF TOOLS | DEPTH OF DRILLING |
|---|---|
| Rotary | 0 - TD |

**LOG PROGRAM**

| Type | Depth Interval |
|---|---|
| Single Run | |
| | |
| | |
| Cased Hole | |
| TDT- CBL | TD to 7" shoe. |
| | Identify 4 ½" cement top |

**REMARKS:**

- Please report any flares (magnitude & duration).

**APPROXIMATE DEPTHS OF GEOLOGICAL MARKER**

Actual GL: 5906 Estimated KB: 5,920.0'

| Marker | | SUBSEA | TVD | APPROX. MD |
|---|---|---|---|---|
| Ojo Alamo | | 4,638' | 1,282' | 1,282' |
| Kirtland | | 4,539' | 1,381' | 1,381' |
| Fruitland | * | 4,164' | 1,756' | 1,756' |
| Fruitland Coal | * | 3,891' | 2,029' | 2,029' |
| Pictured Cliffs | * | 3,691' | 2,229' | 2,229' |
| Lewis | * | 3,505' | 2,415' | 2,415' |
| Cliff House | # | 2,177' | 3,743' | 3,743' |
| Menefee | # | 2,010' | 3,910' | 3,910' |
| Point Lookout | # | 1,452' | 4,468' | 4,468' |
| Mancos | | 1,090' | 4,830' | 4,830' |
| Greenhorn | | -475' | 6,395' | 6,395' |
| Graneros (bent,mkr) | | -537' | 6,457' | 6,457' |
| Two Wells | # | -575' | 6,495' | 6,495' |
| Paguate | # | -667' | 6,587' | 6,587' |
| Cubero | # | -707' | 6,627' | 6,627' |
| L. Cubero | # | -750' | 6,670' | 6,670' |
| Encinal Cyn | # | -794' | 6,714' | 6,714' |
| TOTAL DEPTH: | | -825' | 6,745' | 6,745' |

# Probable completion interval * Possible Pay

**SPECIAL TESTS**

| TYPE |
|---|
| Production test of the open hole interval |

**REMARKS:**

| DRILL CUTTING SAMPLES | | | DRILLING TIME | |
|---|---|---|---|---|
| FREQUENCY | DEPTH | | FREQUENCY | DEPTH |
| 30'/10' intervals | 2,515' | to TD | Geolograph | 0 - TD |

**MUD PROGRAM:**

| Interval | Type□Mud | #/gal | Vis, □sec/qt | /30 min | Other Specification |
|---|---|---|---|---|---|
| 200' | Spud | 8.8 - 9.0 | Sufficient to clean hole. | | |
| 2,515' | Water/LSND | 8.4 - 9.0 | | <9 | Sweep hole while whilst water drilling, LCM onsite |
| 6,745' | Air | 1 | 1000 cfm for bit | | Volume sufficient to maintain a stable and clean wellbore |

**CASING PROGRAM:**

| Casing□String | Depth | Size | Casing Size | Grade, Thread | Weight | Landing Point | Cement |
|---|---|---|---|---|---|---|---|
| Surface/Conductor | 200' | 13 1/2" | 9-5/8" | H-40 ST&C | 32# | | cmt to surface |
| Intermediate 1 | 2,515' | 8-3/4" | 7" | J/K-55 ST&C | 20# | 100' below LWIS | cmt to surface |
| Production | 6,745' | 6-1/4" | 4-1/2" | J-55 | 11.6# | DKOT | 150' inside Intermediate - TOC survey required |
| | | | | | | | |

**CORING PROGRAM:**

None

**COMPLETION PROGRAM:**

Rigless, 2-3 Stage Limited Entry Hydraulic Frac, FMC Unihead

**GENERAL REMARKS:**

Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.

**BOP Pressure Testing Requirements**

| Formation | Depth | Anticipated bottom hole pressure | Max anticipated surface pressure** |
|---|---|---|---|
| **Cliffhouse** | 3,743' | 500 | 0 |
| **Point Lookout** | 4,468' | 600 | 0 |
| **Dakota** | 6,495' | 2600 | 1171.1 |

Requested BOP Pressure Test Exception = 1500 psi

** Note: Determined using the following formula: ABHP – (.22*TVD) = ASP

| Form 46 Reviewed by: | Logging program reviewed by: | | | |
|---|---|---|---|---|
| **PREPARED BY:** | **APPROVED:** | **DATE:** | **APPROVED:** | **DATE:** |
| HGJ JMP | | 11-Oct-04 | | |
| Form 46 7-84bw | For Drilling Dept. | | For Production Dept. | |

# Cementing Program

Well Name: Bolack B #8N
Location: 33-28N-8W : 1910' FNL, 1180' FWL
County: San Juan
State: New Mexico

Well Flac
Formation: Blanco Mesaverde/Basin Dakota
KB Elev (est) 5920
GL Elev. (est) 5906

**Casing Program:**

| Casing Strin | Est. Depth (ft.) | Hole Size (in.) | Casing Size (in.) | Thread | TOC (ft.) | Stage Tool Or TOL (ft.) | Cmt Cir. Out (bbl.) |
|---|---|---|---|---|---|---|---|
| Surface | 200 | 13.5 | 9.625 | ST&C | Surface | NA | |
| Intermediate | 2515 | 8.75 | 7 | LT&C | Surface | NA | |
| Production - | 6745 | 6.25 | 4.5 | ST&C | 2415 | NA | |

**Casing Properties:** (No Safety Factor Included)

| Casing Strin | Size (in.) | Weight (lb/ft) | Grade | Burst (psi.) | Collapse (psi.) | Joint St. (1000 lbs.) | Capacity (bbl/ft.) | Drift (in.) |
|---|---|---|---|---|---|---|---|---|
| Surface | 9.625 | 32 | H-40 | 3370 | 1400 | 254 | 0.0787 | 8.845 |
| Intermediate | 7 | 20 | K-55 | 3740 | 2270 | 234 | 0.0405 | 6.456 |
| Production - | 4.5 | 11.6 | J-55 | 5350 | 4960 | 154 | 0.0155 | 3.875 |

**Mud Program**

| Apx. Interval (ft.) | Mud Type | Mud Weight |
|---|---|---|
| 0 - SCP | Water/Spud | 8.6-9.2 |
| SCP - ICP | Water/LSND | 8.6-9.2 |
| ICP - ICP2 | Gas/Air Mist | NA |
| ICP2 - TD | LSND | 8.6 - 9.2 |

Recommended Mud Properties Prio Cementing:
PV <20
YP <10
Fluid Lo <15

**Cementing Program:**

| | Surface | Intermediate | Production |
|---|---|---|---|
| Excess %, Lead | 100 | 75 | 40 |
| Excess %, Tail | NA | 0 | 40 |
| BHST (est deg. F) | 75 | 120 | 183 |
| Special Instructions | 1,6,7 | 1,6,8 | 2,4,6 |

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

**Notes:**

*Do not wash up on top of plug. Wash lines before displacing production cement job to minmize drillout.

**Surface:**

| | | | |
|---|---|---|---|
| Preflush | 20 bbl. | FreshWater | |
| Slurry 1 | 154 sx | Class C Cement | 195 cuft |
| TOC@Surface | | + 2% CaCl2 (accelerator) | 0.4887 cuft/ft OH |

| Slurry Properties: | Density (lb/gal) | Yield (ft3/sk) | Water (gal/sk) |
|---|---|---|---|
| Slurry 1 | 15.2 | 1.27 | 5.8 |

Casing Equipment: 9-5/8", 8R, ST&C
1 Guide Shoe
1 Top Wooden Plug
1 Autofill insert float valve
Centralizers, 1 per joint except top joint
1 Stop Ring
1 Thread Lock Compound

**Intermediate:**

| | | | |
|---|---|---|---|
| Fresh Water | 20 bbl | fresh water | |
| Lead | 195 sx | Class "G" Cement | 512 cuft |
| Slurry 1 | | + 3% D79 extender | |
| TOC@Surface | | +1/4 #/sk. Cellophane Flake | |
| | | + 5 lb/sk Gilsonite | |
| Tail | 59 sx | 50/50 Class "G"/Poz | 75 cuft |
| Slurry 2 | | + 2% gel (extender) | |
| 500 ft fill | | +1/4 #/sk. Cellophane Flake | 0.1503 cuft/ft OH |
| | | + 2% CaCl2 (accelerator) | 0.1746 cuft/ft csg ann |
| | | + 5 lb/sk Gilsonite | |

| Slurry Properties: | Density (lb/gal) | Yield (ft3/sk) | Water (gal/sk) |
|---|---|---|---|
| Slurry 1 | 11.4 | 2.63 | 15.8 |
| Slurry 2 | 13.5 | 1.27 | 5.72 |

Casing Equipment: 7", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)
1 Float Collar (autofill with minimal LCM in mud)
1 Stop Ring
Centralizers one in middle of first joint, then every third collar
1 Top Rubber Plug
1 Thread Lock Compound

**Production:**

| | | | |
|---|---|---|---|
| Fresh Water | 10 bbl | CW100 | |
| Lead | 186 | LiteCrete D961 / D124 / D154 | 470 cuft |
| Slurry 1 | | + 0.03 gps D47 antifoam | |
| TOC, 400' above 7" shoe | | + 0.5% D112 fluid loss | |
| | | + 0.11% D65 TIC | |
| Tail | 141 sx | 50/50 Class "G"/Poz | 203 cuft |

## Cementing Program

| | | |
|---|---|---|
| Slurry 2 | | + 5% D20 gel (extender) |
| 1415 ft fill | | + 0.1% D46 antifoam |
| | | + 1/4 #/sk. Cellophane Flake |
| | | + 0.25% D167 Fluid Loss |
| | | + 5 lb/sk Gilsonite |
| | | +0.1% d800, retarder |
| | | +0.15% D65, dispersant |

0.1026 cuft/ft OH

| Slurry Properties: | Density (lb/gal) | Yield (ft3/sk) | Water (gal/sk) | 0.1169 cuft/ft csg ann |
|---|---|---|---|---|
| Slurry 1 | 9.5 | 2.52 | 6.38 | |
| Slurry 2 | 13 | 1.44 | 6.5 | Top of Mancos 4830 |

Casing Equipment: 4-1/2", 8R, ST&C
1 Float Shoe (autofill with minimal LCM in mud)
1 Float Collar (autofill with minimal LCM in mud)
1 Stop Ring
Centralizers, every 4th joint in mud drilled holes, none in air drilled holes.
1 Top Rubber Plug
1 Thread Lock Compound

**SAN JUAN BASIN**
**Dakota Formation**
**Pressure Control Equipment**

## Background

The objective Dakota formation maximum surface pressure is anticipated to be less than 1000 psi, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 psi. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 psi system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 psi rated pressure control equipment will typically be utilized in a single ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth in the Basin Dakota. No abnormal temperature, pressure, or H2S anticipated.

## Equipment Specification

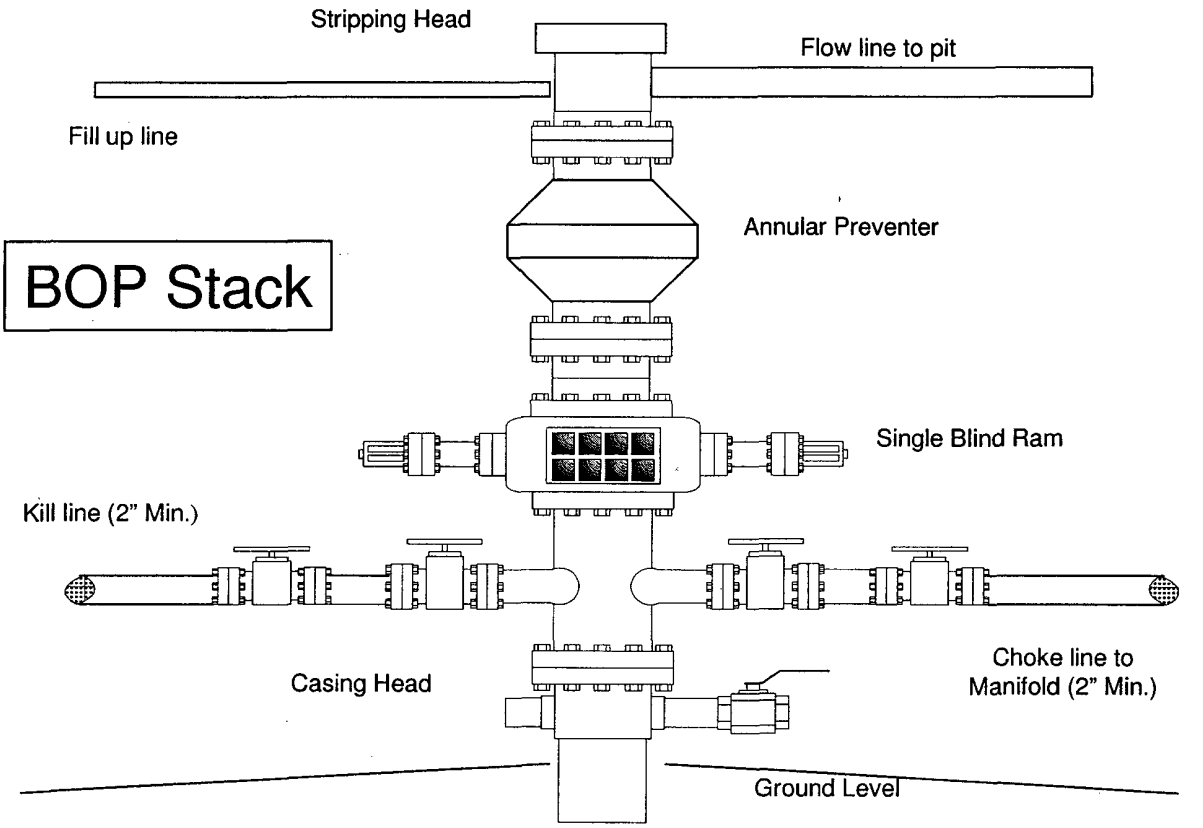
| Interval | BOP Equipment |
|---|---|
| Below conductor casing to total depth | 11" nominal or 7 1/16", 2000 psi Single ram preventer with 3000 psi annular preventer and rotating head. |

All ram type and annular preventers as well as related control equipment will be hydraulically tested to 250 psi (low pressure) and 1500 psi (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock, upper kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure.

# BP American Production Company

## Well Control Equipment Schematic

## BOP Stack




## Choke & Kill Manifold