

RECEIVED

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

703 SEP 19 PM 1:15

070 Farmington, NM

45 Lease Serial No.
SF - 078510

6 If Indian, Allottee or tribe Name

7. If Unit or CA Agreement, Name and No

8. Lease Name and Well No.
JACQUEZ 2S

9. API Well No.
30 04531905

10. Field and Pool, or Exploratory
Basin Fruitland Coal

11. Sec., T., R., M., or Blk. and survey or Area
SEC 6 T31N R8W Mer NMP

12. County or Parish
San Juan

13. State
NM

1a. Type of Work: ☒ DRILL ☐ REENTER

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

2. Name of Operator
BP America Production Company Attn: Cherry Hlava

3a. Address
P.O. Box 3092 Houston, Tx 77253-3092

3b. Phone No. (include area code)
281-366-4081

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

At surface SESE LOT P 950' FSL & 815' FEL

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office*
30.66 NORTH FROM AZTEC, NM

15. Distance from proposed*
Location to nearest
Property or lease line, ft. 815'
(Also to nearest drig. Unit line, if any)

16. No. of Acres in lease
320.21

17. Spacing Unit dedicated to this well
320.21 E/2
321.21

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 80' (existing pad)

19. Proposed Depth
3507'

20. BLM/BIA Bond No. on file
WY2924

21. Elevations (show whether DF, KDB., RT, GL, etc.
6486' GR

22. Approximate date work will start*
11/15/2003

23. Estimated duration
3 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:

- Well plat 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 Cherry Hlava Name (Printed/typed) CHERRY HLAVA Date 9/16/2003

Title
REGULATORY ANALYST

Approved by (Signature) _____ Name (Printed/Typed) _____ Date _____

Title _____ 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.

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)
Waiting period over 10-26-03

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

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

NMOC

Additional Operator Remarks:

Notice of Staking was submitted on 8/29/2003

BP America Production Company respectfully requests permission to drill the subject well to a total depth of approximately 3507' and complete into the Basin Fruitland Coal Pool as per the attached drilling and completion procedure.

SUPPLEMENTAL TO SURFACE USE PLAN

New Facilities:

A 4" diameter buried steel pipeline that is + or - 200 feet in length will be constructed. The pipe wall thickness is .156 and the pipe wall strength is 42,000#. It will be adjacent to the access road and tie the well into an existing gas meter operated by BP America Production Company. The pipeline will not be used to transport gas to drill the well. After the well is spud the pipeline will be authorized by a right-of-way issued by Williams field Services, refer to the attached survey plat.

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 30-045-31905 | ² Pool Code 71629 | ³ Pool Name Basin Fruitland Coal |
| ⁴ Property Code 000 717 | ⁵ Property Name Jacquez | ⁶ Well Number # 2S |
| ⁷ OGRID No. 000 778 | ⁸ Operator Name BP AMERICA PRODUCTION COMPANY | ⁹ Elevation 6486 |

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 |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|----------|
| P | 6 | 31 N | 8 W | | 950 | SOUTH | 815 | EAST | 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 32.21 | ¹³ Joint or Infill | ¹⁴ Consolidation Code | ¹⁵ 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

| | | | | |
|---------------|----------------|----------|----------|--|
| ¹⁶ | 489'(R) | 1341'(R) | 2682'(R) | ¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Cherry Hlava</u> Printed Name <u>Cherry Hlava</u> Title <u>Regulatory Analyst</u> Date <u>9-3-03</u> |
| 16' | 1305'(R) Lot 4 | Lot 3 | Lot 2 | Lot 1 |
| 1305'(R) | 1305'(R) Lot 5 | | | |
| 1305'(R) | 1305'(R) | | | |
| 2612'(R) | Lot 6 | | | |
| 533'(R) | 1333'(R) | 2665'(R) | 815' | 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. August 19, 2003 Date of Survey Signature and Seal of Professional Surveyor GARY D. VANA NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016 Certificate Number |

(R) - BLM Record

**BP AMERICA PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Jacquez
Lease:

Well No: 2S
Surface Location: Section 6P, T31N, R8W; 950' FSL,
815' FEL
Field: Basin Fruitland Coal

County: San Juan
State: New Mexico
Date: September 2, 2003

OBJECTIVE: Drill to a TD of 3507' kb - topset FT with 7" casing and air drill the Fruitland Coal interval.

| METHOD OF DRILLING | | APPROXIMATE DEPTHS OF GEOLOGICAL MARKER | | | |
|--|------------------------|---|-------|---------------------|-------------|
| TYPE OF TOOLS | DEPTH OF DRILLING | Estimated GL: 6486' | | Estimated KB: 6499' | |
| Rotary | 0 – 3494' MD, 3507' KB | MARKER | | SUBSEA | MEAS. DEPTH |
| LOG PROGRAM | | Ojo Alamo | | 4588 | 1911 |
| | | Kirtland | | 4356 | 2143 |
| | | Fruitland | | 3460 | 3039 |
| | | Fruitland Coal | *# | 3296 | 3203 |
| | | Pictured Cliffs | * | 3092 | 3407 |
| | | TOTAL DEPTH | | 2992 | 3507 |
| | | # Probable completion interval | | * Possible Pay | |
| SPECIAL TESTS | | DRILL CUTTING SAMPLES | | DRILLING TIME | |
| TYPE | | FREQUENCY | DEPTH | FREQUENCY | DEPTH |
| None | | none | none | Geologist | 0-3507 |
| REMARKS: | | | | | |
| At TD and prior to completion of the Fruitland Coal interval, the operator will FAX or email a copy of the mud log and gas chromatograph analysis covering the lower basal Fruitland coal seam and Pictured Cliffs Formation to the FFO-PMT geologist (Chip Harraden @ 505-599- 8997 or chip_harraden@nm.blm.gov). | | | | | |

MUD PROGRAM:

| Approx. Interval | Type Mud | Weight, #/ga | Vis, sec/qt | W/L cc's/30 min | Other Specification |
|------------------|-----------------|---|-------------|-----------------|---------------------|
| 0 - 120 | Spud | 8.6-9.2 | | | |
| 120 - 3150 (1) | Water/LSND | 8.6-9.2 | | <6 | |
| 3150 - 3507 | Gas/Air/N2/Mist | Volume sufficient to maintain a stable and clean wellbore | | | |

REMARKS:

(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

CASING PROGRAM: (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

| Casing String | Estimated Depth | Casing Size | Grade | Weight | Hole Size | Landing Pt, Cmt, Etc. |
|-------------------|-----------------|-------------|-------------|--------|-----------|-----------------------|
| Surface/Conductor | 120 | 9 5/8" | H-40, 8 RND | 32.3 | 12.5" | 1 |
| Intermediate | 3150 | 7" | J-55, 8 RND | 20.0 | 8.75" | 1 |
| Production | 3507 | N/A | | | 11.0" | 2 |

REMARKS:

(1) Circulate Cement to Surface

(2) Under-ream 6.25" open-hole interval to 11.0".

CORING PROGRAM:

None

COMPLETION PROGRAM:

No frac, open-hole completion. Run 2-3/8" reduced collar tubing to a depth of 3320' KB.

GENERAL REMARKS:

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

Form 46 Reviewed by: _____ Logging program reviewed by: _____ N/A

| | | | |
|--------------------------------------|------------------|------------------------|--|
| PREPARED BY: Daniel Crosby | APPROVED: | DATE: 9/2/03 | |
|--------------------------------------|------------------|------------------------|--|

Form 46 12-00 MNP

BOP Test Pressure

BP America Production Company BOP Pressure Testing Requirements

Well Name: Jacquez
County: San Juan

2S
State: New Mexico

| Formation | TVD | Anticipated Bottom Hole Pressure | Maximum Anticipated Surface Pressure ** |
|----------------|------|-------------------------------------|--|
| Ojo Alamo | 1911 | | |
| Kirtland | 2143 | | |
| Fruitland Coal | 3203 | 400 | 0 |
| PC | 3407 | 500 | 0 |
| Lewis Shale | | | |
| Cliff House | | | |
| Menefee Shale | | | |
| Point Lookout | | | |
| Mancos | | | |
| Dakota | | | |

** Note: Determined using the following formula: $ABHP - (.22 \times TVD) = ASP$

Requested BOP Pressure Test Exception: 850 psi

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

Background

The objective Fruitland Coal 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 double 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", 3000 psi double ram preventer with rotating head. |
|---------------------------------------|---|

All ram type preventers and related control equipment will be hydraulically tested to 250 psi (low pressure) and 2000 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.

FEDERAL CEMENTING REQUIREMENTS

1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
2. The hole size will be no smaller than 1 1/2" larger diameter than the casing O.D. across all water zones.
3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water zone.
6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

NEW MEXICO MULTIPOINT REQUIREMENTS

1. Existing Roads

- A. The proposed location is staked as shown on the Certified Plat.
- B. Route and distance from nearest town is identified on the form 3160-3, item #14.
- C. Access road(s) to location are identified on Exhibits A & B.
- D. Not applicable unless exploratory well.
- E. All existing roads within one-mile radius of the well site are shown on Exhibit B.
- F. Improvements and/or maintenance of existing roads may be done as deemed necessary for Amoco's operations, required by the surface management agency.

2. Access Roads

- A. Width: NO NEW ROAD
- B. Maximum Grades: 0 - 8%
- C. Turnouts: None
- D. Drainage will be used as required
- E. Size and location of culverts, if needed, will be determined at the onsite inspection or during construction.
- F. Surfacing materials may be applied to the proposed road and/or location if the conditions merit it.
- G. Gates and/or cattle guards will be installed at fence crossings if deemed necessary by the land owner or the surface management agency.
- H. The proposed new access road is center-line flagged if applicable.

3. Location and Existing Wells

- A - H All existing wells, to the best of our knowledge, are identified on Exhibit C (9 Section Plat).

4. Location of Existing and/or Proposed Facilities

- A. All existing facilities owned or controlled by Amoco are shown on Exhibits D & E
- B. If this proposed well is productive, Amoco will own or have control of these facilities on location: storage tanks, head production unit, and if applicable, a pump jack and/or compressor. Also there will be buried production lines from the wellhead to the production unit and/or storage tanks. Amoco will submit a Sundry Notice when off-pad plans are finalized.
- C. Rehabilitation, whether the well is productive or not, will be made on all unused areas in accordance with surface owner or manager approval.

5. Location and Type of Water supply

Water will be obtained from a privately permitted water source through a contract water hauling company. It will be hauled in vacuum trucks via the access road (Exhibit A). The appropriate permits for this activity have been obtained by the water transporter.

6. Source of Construction Materials

- A - D No off-site materials will be needed to build the proposed location or access road.

7. Methods of Handling Waste Disposal

A closed loop mud system will be used during drilling operations. All drill cuttings will be trenched, and buried on location. Drilling fluids will be stored for reuse or disposed of at an approved disposal facility. A reserve pit for produced water containment will be constructed during completion operations. The reserve pit will be fenced on three sides and the 4th side will be fenced upon removal of the rig. The pit will be allowed to sit for 90 days and then pulled as required by NTL. Produced water will be disposed of at an approved injection well or an evaporation site. Sanitary facilities and a steel portable trash container will remain on location throughout drilling operations and will be removed to a designated disposal area. The well site will be properly cleaned upon removal of the rig.

8. Ancillary Facilities

To the best of our knowledge, no ancillary facilities will be needed at this time.

Cementing Program

| | | | |
|------------|--|----------------|----------------------|
| Well Name: | Jacquez 2S | Field: | Basin Fruitland Coal |
| Location: | Sec 06 - 31N - 08W, 950' FSL, 815" FEL | API No. | |
| County: | San Juan | Well Flac | |
| State: | New Mexico | Formation: | Fruitland Coal |
| | | KB Elev (est) | 6007 |
| | | GL Elev. (est) | 5995 |

Casing Program:

| Casing String | Est. Depth (ft.) | Hole Size (in.) | Casing Size (in.) | Thread | TOC (ft.) | Stage Tool Or TOL (ft.) | Cmt Cir. Out (bbl.) |
|---------------|---------------------|--------------------|----------------------|--------|--------------|----------------------------|------------------------|
| Surface | 120 | 12.5 | 9.625 | ST&C | Surface | NA | |
| Production - | 3150 | 8.75 | 7 | LT&C | Surface | NA | |

Casing Properties:

(No Safety Factor Included)

| Casing String | 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 |
| Production - | | 7 | 20 K-55 | 3740 | 2270 | 234 | 0.0405 | 6.456 |

Mud Program

| Apx. Interval (ft.) | Mud Type | Mud Weight | Recommended Mud Properties Prio Cementing: | |
|------------------------|-----------------|------------|--|-----|
| | | | PV | <20 |
| | | | YP | <10 |
| 0 - SCP | Water/Spud | 8.6-9.2 | Fluid Loss | <6 |
| SCP - TD | Water/LSND | 8.6-9.2 | | |
| SCP - TD | Gas/Air/N2/Mist | NA | | |

Cementing Program:

| | Surface | Production |
|----------------------|---------|------------|
| Excess %, Lead | 100 | 40 |
| Excess %, Tail | NA | 40 |
| BHST (est deg. F) | 75 | 120 |
| Special Instructions | 1,6,7 | 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 minimize drillout.

Surface:

| | | | |
|--------------------|--|--------------------------------|-------------------|
| Preflush | 20 bbl. | Fresh Water | |
| Slurry 1 | 80 sx Class G Cement | | 83 cuft |
| TOC@Surface | + 2% CaCl2 (accelerator) | | |
| | 0.25 #/sk Cellophane Flake (lost circulation additive) | | 0.347 cuft/ft OH |
| | 0.1% D46 antifoam | | |
| Slurry Properties: | Density (lb/gal) | Yield (ft ³ /sk) | Water (gal/sk) |
| Slurry 1 | 15.8 | 1.16 | 4.95 |

| | |
|-------------------|--|
| 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 |

Cementing Program

Production:

| | | | |
|-------------|--------|------------------------------|------------------------|
| Fresh Water | 10 bbl | CW100 | |
| Lead | | 220 sx Class "G" Cement | 553 cuft |
| Slurry 1 | | + 3% D79 extender | |
| TOC@Surface | | + 2% S1 Calcium Chloride | |
| | | + 1/4 #/sk. Cellophane Flake | |
| | | + 0.1% D46 antifoam' | |
| Tail | | 90 sx 50/50 Class "G"/Poz | 105 cuft |
| Slurry 2 | | + 2% gel (extender) | |
| 500 ft fill | | 0.1% D46 antifoam | 0.1503 cuft/ft OH |
| | | + 1/4 #/sk. Cellophane Flake | 0.1746 cuft/ft csg ann |
| | | + 2% CaCl2 (accelerator) | |

Slurry Properties:

| | Density (lb/gal) | Yield (ft ³ /sk) | Water (gal/sk) |
|----------|---------------------|--------------------------------|-------------------|
| Slurry 1 | 11.4 | 2.61 | 17.77 |
| 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 Top Rubber Plug

1 Thread Lock Compound

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an
Abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
SF - 078510

6. If Indian, Allottee or tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

8. Well Name and No.
JACQUEZ 2S

2. Name of Operator
BP AMERICA PRODUCTION COMPANY

9. API Well No.
3004531905

3a. Address
P.O. Box 3092 Houston, Tx 77253-3092

3b. Phone No. (include area code)
281-366-4081

10. Field and Pool, or Exploratory Area
BASIN FRUITLAND COAL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Section 6 T31N R8W SESE 950' FSL & 815' FEL

11. County or Parish, State
SAN JUAN, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☐ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Water Disposal

☐ Water shut-Off

☐ Well Integrity

☐ Other

WOC Time

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Waiting On Cement Time:

Waiver of 6 hr. Rule: Because BP America uses 3% CaCl₂ in our slurry, we achieve 300 psi compressive strength after 1 hr. 50 min. and 500 psi after 3 hrs. 8 min. Therefore we respectfully request a 2 hr waiting on cement time (rather than 6 hrs.) prior to commencing any nipple up operations. Please see the attached Compressive Strength chart.

14. I hereby certify that the foregoing is true and correct
Name (Printed/typed)

Cherry Hlava

Title Regulatory Analyst

Signature

Cherry Hlava

Date 09/23/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Charlie Beecham

Title

Date

NOV - 6 2003

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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.

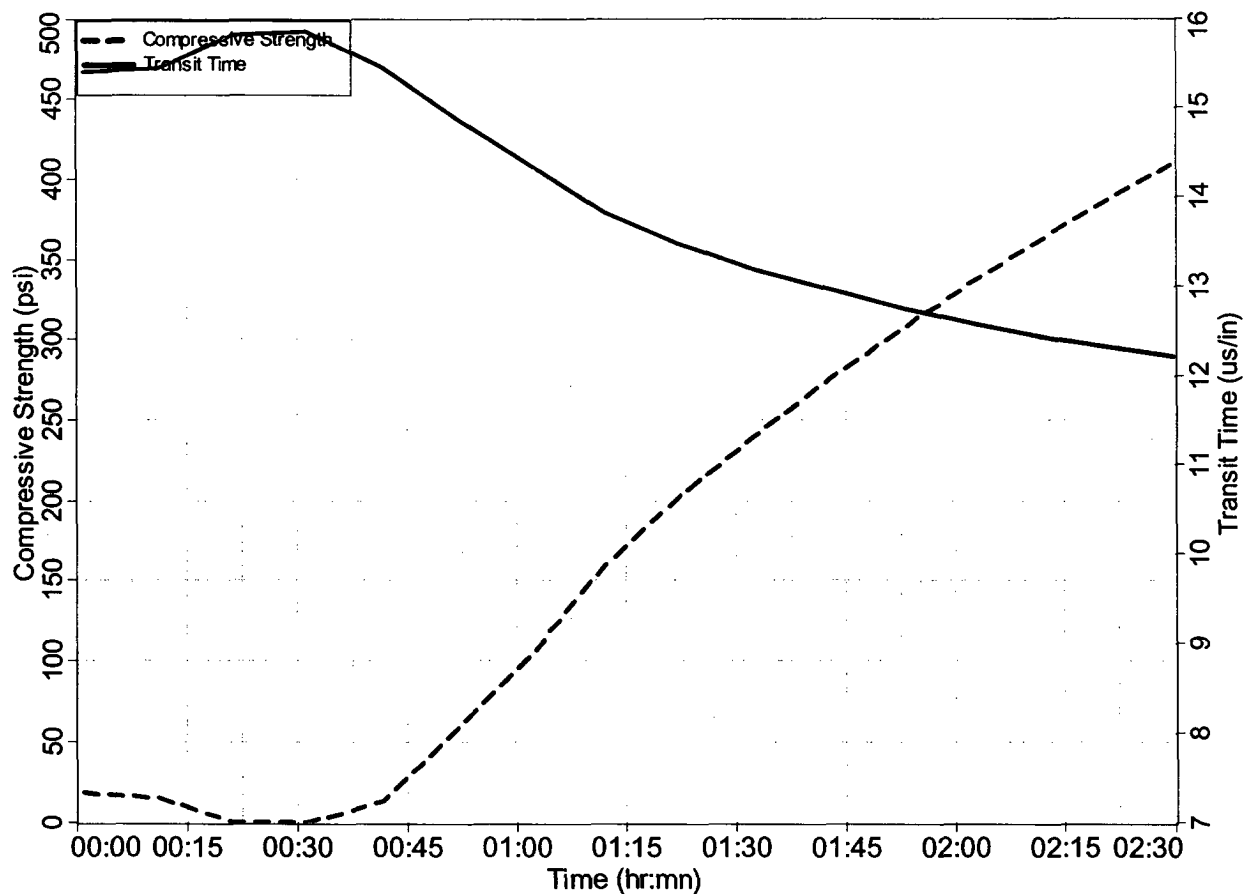
Denied

NMOCD

CemCADE *

Client : bp
Well : Surface Job (80F)
String : 15.8 ppg G + 3% S001
District :
Country : USA

3S1_80°.cfw 09-22-2003 LoadCase Unfilled Version wcs-cem431_19



Lead Slurry Density = 15.80 lb/gal Time to 500 psi= 03:08 hr:mn Time to 1000 psi= 08:02 hr:mn

*Mark of Schlumberger

Schlumberger