RECEIVED

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

AUG 2 5 2006

Bureau of Land Management

| a. | Type of Work DRILL | 5. Lease Number NMSF-080430 |
|---------------|---|--|
| | DATAL | Unit Reporting Number |
| b. | Type of Well GAS | 6. If Indian, All. or Tribe |
| 2. | Operator BURLINGTON | 7. Unit Agreement Name |
| | RESOURCES Oil & Gas Company | San Juan 28-6 Unit |
| 3. | Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 | 8. Farm or Lease Name |
| | (505) 326-9700 | 9. Well Number #211F |
| ļ. | Location of Well Unit L (NWSW), 1465' FSL, 1300' FWL | 10. Field, Pool, Wildcat Basin Dakota |
| | Latitude 36° 40.35015'N | 11. Sec., Twn, Rge, Mer. (NMPM) Sec. 8, T28N, R6W |
| | Longitude 107° 29.66431'W Ant + | API# 30-039- 30048 |
| 14. | Distance in Miles from Nearest Town 37 miles to Bloomfield, NM | 12. County 13. State Rio Arriba NM |
| 15. | Distance from Proposed Location to Nearest Property or Lease | e Line |
| 16. | Acres in Lease | 17. Acres Assigned to Well 356. 18 R - 2948 #4, |
| 18. | Distance from Proposed Location to Nearest Well, Drlg, Comp 52'- San Juan 28-6 Unit #414 | ol, or Applied for on this Lease |
| 19. | Proposed Depth 8116' | 20. Rotary or Cable Tools Rotary |
| 21. | Elevations (DF, FT, GR, Etc.) 6821'GL | 22. Approx. Date Work will Start |
| 23. | Proposed Casing and Comenting Program See Operations Plan attached | |
| 24. | Authorized by: Regulatory Analyst | 8-25-06 Date |
| - 4. | | |
| - <u> , -</u> | IT NO. APPROVA | AL DATE |
| PERM | OVED BY Market TITLE A | DATE 9/5/66 |

United States any false, fictitious or fraudulent statements or presentations as to any matter within its jurisdiction.

SETTINGT I 18**25 N.** French Br., Febbu, N.M. 202**40** State of New Mexico

Form C-102 Revised August 15, 3000

MSTRICT II MI Sputh First, Artesia, H.M. 36210

district m

OIL CONSERVATION DIVISION 8040 South Pacheco Souta Fe, HM 87505 Submit to Appropriate District Office State Lease — 4 Copies Fee Lease — 3 Copies

DISTRICT IV SC40 South Packers, Senia Fe. HM 67505

1990 Rio Brazes Rd., Astec, M.M. 37410

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| 30-039 Humber 30049 | ⁸ Pool Code 71599 | BASIN | °Pool Name DAKOTA | |
|---------------------|--|--------------|----------------------|---------------------------|
| *Property Code | ⁵ Property Name | | | ³ Vell (fumber |
| 7462 | SAN JUAN 28-6 UNIT | | | 211 F |
| CGRID No. | ³ Operator Name | | ncilevell 0 | |
| 14538 | BURLINGTON RESOURCES 0&G CO LP | | | 5821 |
| | ¹⁰ Surf | ace Location | | 1 |

UL or lot no. Section Tewnship Fest from the North/South line Feet from the East/West line Range Cambr 28N 6W 4 1465 SOUTH 1300 8 WEST RIO ARRIBA L ¹¹ Bottom Hole Location If Different From Surface UL or lot no. Lot Ide Feet from the North/South line Section Township Range East/West line County 12 Dedicated Acres 24 Consolidation Code 15 Order No. Joint or Infill 356.36 Acres R2948 Trut 4 28NGW

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 **OPERATOR CERTIFICATION** I havely certify that the information contained herein is true and complete to the best of my knowledge and Wery N'MMOC Signature Tracey N. Monroe FND 2° EC GLO 1914 Printed Name Regulatory Assistant LEASE #USA SF-080430 Ē Title 8/02/06 SAN JUAN 28-8 #414 Date SURVEYOR CERTIFICATION I haraby sarrify that the well treation shown on this plat was pictied from field noise of coincil surveys made by LAT. 38.87251" N (NAD 83) LGNG. 107.49301" N (NAD 83) LAT. 36'40.36015 N (NAD 27) LGNG. 107'29.88431 N (NAD 27) me or under my supervision, and that the sems is true and correct to the lest of my ballef. JULY 19, 2006 Date of Survey Agrature and Seal of Professional Surveyor. F74D 2° 20 210 1914 700 2° 30 910 1914 LABORETH CO a. 1433 5 89'59'29" W 2837.41' (M) n 89'58' W. 2637,38' (9) DAVID

Cartificate Number

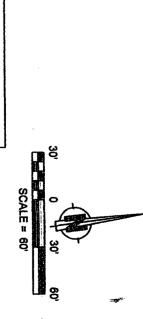
10201

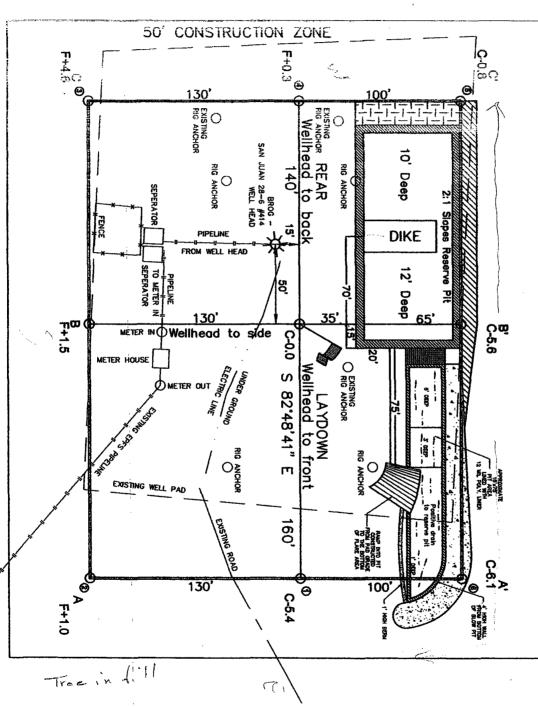
| Office | State of New Mexico | Form C-103 |
|--|---|--|
| District I | Energy, Minerals and Natural Resources | May 27, 2004 |
| 1625 N. French Dr., Hobbs, NM 88240 | 3,, | WELL API NO. 2 mm 10 |
| <u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210 | OIL CONSERVATION DIVISION | 30-039- 5448 |
| District III | 1220 South St. Francis Dr. | 5. Indicate Type of Lease STATE FEE |
| 1000 Rio Brazos Rd., Aztec, NM 87410 | | 6. State Oil & Gas Lease No. |
| District IV | Santa Fe, NM 87505 | NMSF-080430 |
| 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | |
| | S AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG BACK TO A | 7. Lease Name or Unit Agreement Name |
| DIFFERENT RESERVOIR. USE "APPLICATION | | San Juan 28-6 Unit |
| PROPOSALS.) | (| San Suan 20-0 Chit |
| 1. Type of Well: | | 8. Well Number |
| Oil Well Gas Well X | Other | 211F |
| 2. Name of Operator | IDCES OIL & CAS COMDANIVID | 9. OGRID Number |
| 3. Address of Operator | JRCES OIL & GAS COMPANY LP | 14538 10. Pool name or Wildcat |
| | ET, FARMINGTON, NM 87402 | Basin Dakota |
| 4. Well Location | | |
| | 65 feet from the South line and Township 28N Range 6W | 1300 feet from the West line |
| Section 8 | Township 28N Range 6W Revation (Show whether DR, RKB, RT, GR, etc.) | NMPM County Rio Arriba |
| | 6821' | |
| Pit or Below-grade Tank Application X | or Closure | |
| Pit type New Drill Depth to Groundwa | ter >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 |
| 12 Check A | ppropriate Box to Indicate Nature of No | tice Report or Other Data |
| NOTICE OF IN | ~ · · · · · · · · · · · · · · · · · · · | SUBSEQUENT REPORT OF: |
| PERFORM REMEDIAL WORK | PLUG AND ABANDON REMEDIA | |
| TEMPORARILY ABANDON | ! | CE DRILLING OPNS. P AND A |
| PULL OR ALTER CASING | | CEMENT JOB |
| - | _ | |
| | | |
| OTHER: Workov | | |
| 13. Describe proposed or completed | l operations. (Clearly state all pertinent details, and | |
| 13. Describe proposed or completed of starting any proposed work). | | |
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| 13. Describe proposed or completed of starting any proposed work). or recompletion. | l operations. (Clearly state all pertinent details, and | |
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| 13. Describe proposed or completed of starting any proposed work). or recompletion. New Drill, Lined: | d operations. (Clearly state all pertinent details, and SEE RULE 1103. For Multiple Completions: Atta | ch wellbore diagram of proposed completion |
| Describe proposed or completed of starting any proposed work). or recompletion. New Drill, Lined: Burlington Resources proposes to complete or complete or complete or complete. | d operations. (Clearly state all pertinent details, and SEE RULE 1103. For Multiple Completions: Atta | ch wellbore diagram of proposed completion pit. Based on Burlington's interpretation of the |
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LATITUDE: 30.67251°N LONGITUDE: 107.49501°W OATUM: NAD 83

BURLINGTON RESOURCES O&G CO LP SAN JUAN 28-6 UNIT #211 F

1465' FSL & 1300' FWL
LOCATED IN THE NW/4 SW/4 OF
SECTION 8, T28N, R6W, N.M.P.M.,
RIO ARRIBA COUNTY, NEW MEXICO
GROUND ELEVATION: 6821', NAVD 88
FINISHED PAD ELEVATION: 6821.2', NAVD 88





NOTE:
NOTE:
NOTE:
RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED, BURIED PIPELINES OR
CONTRACTOR SHOULD FAD. IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR CABLES ON WELL PAD, IN CONSTRUCTION ZONE AND/OR ACCESS TO CONSTRUCTION.

SCALE: 1"= 60"

JOB No.: COPC025

DATE; 07/24/06

339' X 400' = 3.03 ACRES OF DISTURBANCE

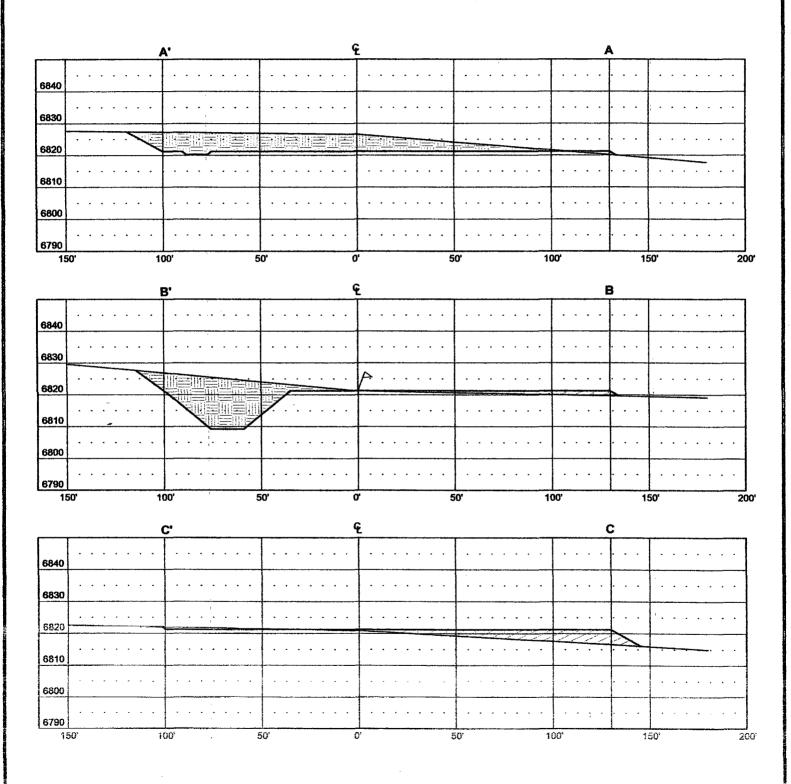


Russell Surveying
1409 W. Aztec Bivd. #5
Aztec, New Mexico 87410
(505) 334-8637

BURLINGTON RESOURCES O&G CO LP

SAN JUAN 28-6 UNIT #211 F 1465' FSL & 1300' FWL LOCATED IN THE NW/4 SW/4 OF SECTION 8, T28N, R6W, N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO GROUND ELEVATION: 6821', NAVD 88

FINISHED PAD ELEVATION: 6821.2', NAVD 88



VERT. SCALE: 1" = 30' HORZ. SCALE: 1" = 50' JOB No.: COPC025 DATE: 07/24/06





Russell Surveying 1409 W. Aztec Blvd. #5 Aztec, New Mexico. 87410 (505) 334-8637

OPERATIONS PLAN

Well Name:

SAN JUAN 28-6 UNIT 211F

Location:

1465' FSL & 1300' FWL, Section Sec 08 T28N R06W

Rio Arriba County, New Mexico

Formation:

Basin Dakota

Elevation:

6821' GL

| Formation Tops: | Top | Bottom | <u>Contents</u> |
|-----------------------|----------|--------|-----------------|
| Surface | San Jose | י 2829 | |
| Ojo Alamo | 2829' | 2935' | aquifer |
| Kirtland | 2935' | 3451' | gas |
| Fruitland Coal | 3451' | 3663' | gas |
| Pictured Cliffs | 3663' | 3826' | gas |
| Lewis | 3826' | 4268' | |
| Huerfanito Bentonite | 4268' | | |
| Chacra | 4618' | 5418' | gas |
| Massive Cliff House | 5418' | 5503' | gas |
| Menefee | 5503' | 5848' | gas |
| Massive Point Lookout | 5848' | 6349' | gas |
| Mancos Shale | 63491 | 7058' | |
| Upper Gallup | 7058' | 7790' | gas |
| Greenhorn | 7790' | 7848' | gas |
| Graneros | 7848' | 78881 | gas |
| Two Wells | 7888' | 8000' | gas |
| Upper Cubero | 8000' | 8036' | gas |
| Lower Cubero | 8036' | 8116' | gas |
| Oak Canyon | 8116' | 8116' | gas |
| Total Depth: | 8116' | | gas |

Logging Program:

Mud Logs/Coring/DST

Mud logs - none

Coring - none

DST - none

Open hole - none

Cased hole - Gamma Ray, CBL - surface to TD

Mud Program:

| Interval of | <u>Type</u> | <u>Weight</u> | <u>Vis.</u> | <u>Fluid Loss</u> |
|-------------------------|-----------------------|---------------|-------------|-------------------|
| 1nterval 0 - 120 100 | Spud MUD/Air/Air Mist | 8.4 - 9.0 | 40 - 50 | no control |
| 120'- 3926' | LSND | 8.4 - 9.0 | 30 - 60 | no control |
| 3926' - 8116' | Air/Air Mist/Nitrogen | n/a | n/a | n/a |

C. HARRADEN/ August 28, 2006

BURLINGTON RESOURCES/ San Juan 28-6 Unit #211F APD

STIPULATION/CONDITION OF APPROVAL

This well is located within a 'vulnerable area'. In order to protect the integrity of the fresh water alluvium aquifer, a minimum surface csg. depth of 200' is stipulated as a condition of approval for this APD.

1

Casing Program (as listed, the equivalent, or better):

| <u> Hole Size</u> | Depth Interval | Csg.Size | <u>Wt.</u> | <u>Grade</u> |
|-------------------|----------------|------------|-------------|--------------|
| 12 1/4" | Depth Interval | 9 5/8" | 32.3# | H-40 |
| 8 3/4" | 0' - 3926' | 7 " | 20/23# | J-55 |
| 6 1/4" | 0' - 8116' | 4 1/2" | 10.5#/11.6# | J-55 |

Tubing Program:

| <u>Depth Interval</u> | Csg.Size | <u>Wt.</u> | <u>Grade</u> |
|-----------------------|----------|------------|--------------|
| 0' - 8116' | 2 3/8" | 4.7# | J-55 |

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, BOPE and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 2000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, BOPE and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 2000 psi minimum choke manifold (Reference Figure #3).

Completion Operations -

7 1/16" 2000 psi double gate BOP stack (Reference Figure #2). After nipple-up prior to completion, pipe rams, casing and liner top will be tested to 2000 psi for 15 minutes.

Wellhead -

9 5/8" x 7" x 4 $\frac{1}{2}$ " x 2 3/8" x 2000 psi tree assembly.

<u>General -</u>

- Pipe rams will be actuated once each day and blind rams will be actuated once each trip to test proper functioning.
- An upper kelly cock valve with handle available and drill string valves to fit each drill string will be available on the rig floors at all times.
- BOP pit level drill will be conducted weekly for each drill crew.
- All BOP tests & drills will be recorded in daily drilling reports.
- Blind and pipe rams will be equipped with extension hand wheels.

Cementing:

9 5/8" surface casing -

Pre-Set Drilled - Cement with Type I, II cement with 20% flyash mixed at 14.5 ppg, 1.61 cu ft per sack yield. (28 cm ft of short) bring cement to surface) Wait on cement for 24 hours for pre-set holes before pressure testing or drilling out from under surface.

Conventionally Drilled: Cement with 88 sx Type III cement with 0.25 pps Celloflake, 2% CaCl. (213 cu ft of slurry, 200% excess, bring cement to surface) Wait on cement for 8 hrs for conventionally set holes before pressure testing or drilling out from under surface. Wait on cement appropriate time until cement achieves 250 psi compressive strength at 60 degrees F. prior to nipple up of BOPE. Wait on cement for 8 hrs for

conventionally set holes before pressure testing or drilling out from under

Saw tooth guide shoe on bottom. Bowspring centralizers will be run in accordance with Onshore Order #2.

surface. Test casing to 600 psi for 30 minutes.

7" intermediate casing -

Lead with 354 sacks Premium Lite cement with 3% calcium chloride, 0.25 pps Celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate. Tail w/90 sacks Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss (124 cu ft 50% excess to circulate to surface). WOC minimum of 8 hours before drilling out intermediate casing. If cement does not circulate to surface, a CBL or a temperature survey will be run to determine TOC. Test casing to 1500 psi for 30 minutes.

7" intermediate casing alternative two stage -

Stage collar set 300' above the top of the Fruitland. First stage: Lead w/23 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss. Tail w/90 sxs Type III cmt w/1% calcium chloride, 0.25 pps Celloflake, 0.2% fluid loss. Second stage: 331 sacks Premium Lite cement with 3% calcium chloride, .25 pps celloflake, 5 pps LCM-1, 0.4% fluid loss, 0.4% sodium metasilicate (879 cu ft - 50% excess to circulate to surface).

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. Bowspring centralizers spaced every other joint off bottom, to the base of the Ojo Alamo @ 2935'. Two turbolating centralizers at the base of the Ojo Alamo @ 2935'. Bowspring centralizers spaced every fourth joint from the base of the Ojo Alamo to the base of the surface casing.

4 1/2" Production Casing -

Pump 274 sxs Premium Lite HS FM w/0.25 pps celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss, 6% gel, 7 pps CSE (543 cu.ft., 30% excess to achieve 100' overlap in 4-1/2" x 7" annulus). WOC a minimum of 18 hrs prior to completing.

Cementing: Continued

Cement float collar stacked on top of float shoe.

Note: If open hole logs are run, cement volumes will be based on 25% excess over caliper volumes.

Cement nose guide shoe on bottom with float collar spaced on top of shoe joint. The liner hanger will have a rubber packoff.

• If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.

Special Drilling Operations (Air/Mist Drilling):

The following equipment will be operational while air/mist drilling:

- An anchored blooie line will be utilized to discharge all cuttings and circulating medium to the blow pit a minimum of 100' from the wellhead.
- The bloode line will be equipped with an automatic igniter or pilot light.
- Compressors will be located a minimum of 100' from the wellhead in the opposite direction from the blooie line.
- Engines will have spark arresters or water cooled exhaust.
- The rotating head will be properly lubricated and maintained.
- A float valve will be utilized above the bit.
- Mud circulating equipment, water, and mud materials will be sufficient to maintain control of the well.

Additional Information:

- This will be a Dakota producing well.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal 300 psi
Pictured Cliffs 600 psi
Mesa Verde 700 psi
Dakota 2000 psi

- Sufficient LCM will be added to the mud system to maintain well control, if lost circulation is encountered below the top of the Pictured Cliffs.
- The north half of Section 8 is dedicated to the Dakota Formation.
- This gas is dedicated.



BURLINGTON RESOURCES

Completion/Workover Rig BOP Configuration 2,000 pel System

2000 psi System **Drilling Rig**

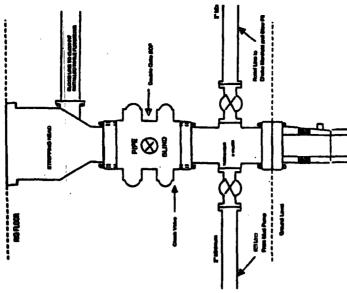
BOURLE GATE NO PLOOP P FELLUP LOSE ROTATING HEAD:

Figure #3

4-20-01

Figure #1

Dritting Rig Choke Manifold Configura 2000 pel System



sure double gate BOP to be equipped with billed and ipe rame. A ethoping head to be installed on the top of perations. 7-1/16" bore, 2000 pei minimum working preseure or greater excluding 600 pol atripping head. he BOP. All BOP equipment is 2000 pail working **Ainfmum BOP installation for all Compt** Physics #2

4-20-01

Blowout preventor equipment (BOPE) tests must be performed using an appropriately sized test plug. The BOPE test must be performed and recorded using a test pump, calibrated test gauges and a properly calibrated strip or chart recorder. The test must be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for five minutes and a high pressure test requirement held for ten minutes as described in Onshore Order No. 2 or otherwise authorized in the Application for Permit to Drill (APD). A successful BOPE test using a test plug is considered when no pressure drop occurs over the duration of the test. Test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. Where intermediate casing strings are used, only one BOPE test will be necessary contingent upon the test being conducted to the highest approved test pressure to which the BOPE will be exposed. Casing pressure tests must be held for 30 minutes with no more than a 10 percent pressure drop during the duration of the test.