

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

RECEIVED

1. Type of Well
GAS

2003 APR 21 PM 1:21

070 Farmington, NM

2. Name of Operator

BURLINGTON

RESOURCES OIL & GAS COMPANY LP

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

2065' FNL, 2240' FWL, Sec. 22, T-29-N, R-7-W, NMPM

5. Lease Number

NMSF-078399

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 29-7 Unit

8. Well Name & Number

San Juan 29-7 U #66B

9. API Well No.

30-039-26806

10. Field and Pool

Blanco Mesaverde

11. County and State

Rio Arriba Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent☐ Abandonment☒ Change of Plans☐ Subsequent Report☐ Recompletion☐ New Construction☐ Final Abandonment☐ Plugging Back☐ Non-Routine Fracturing☐ Casing Repair☐ Water Shut off☐ Altering Casing☐ Conversion to Injection☒ Other -

13. Describe Proposed or Completed Operations

It is intended to complete the subject well in the Mesaverde formation only.
The well name has been changed from the San Juan 29-7 Unit #66M.

Attached is a new C-102 plat, operations plan, blow out preventer diagram
and production facilities diagram.



14. I hereby certify that the foregoing is true and correct.

Signed
no*Debra Case*

(EG8) Title Regulatory Supervisor

Date 4/17/03

(This space for Federal or State Office use)

APPROVED BY

Jim Lovato

Title

Date

MAY - 2 2003

CONDITION OF APPROVAL, if any:

NMOCD

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

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-26806	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 7465	⁵ Property Name SAN JUAN 29-7 UNIT	⁶ Well Number 668
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS, INC.	⁹ Elevation 6794'

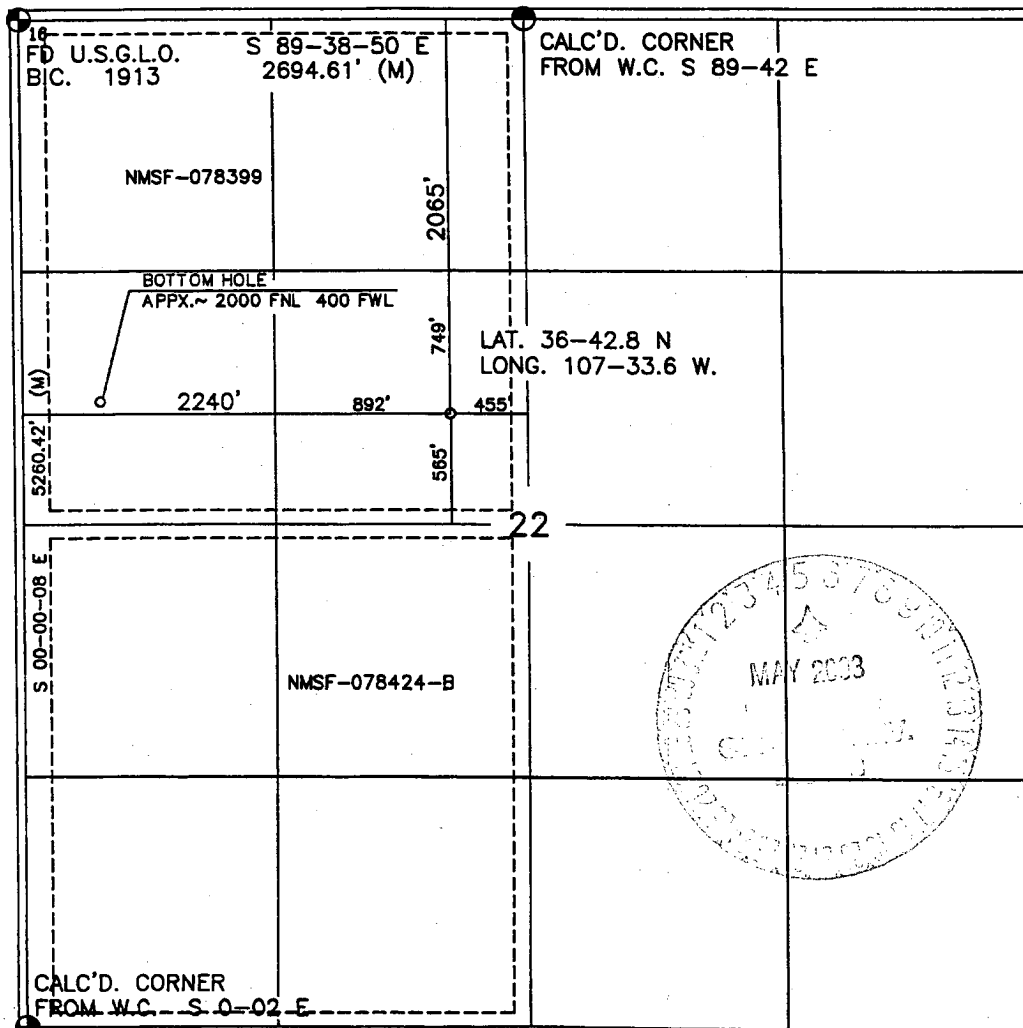
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	22	29-N	7-W		2065	NORTH	2240	WEST	RIO ARRIBA

¹¹ 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
E	22	29-N	7-W		2000	NORTH	400	WEST	RIO ARRIBA
¹² Dedicated Acres MV-W/320			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



17 OPERATOR CERTIFICATION

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

Peggy Cole
Signature

Peggy Cole
Printed Name

Regulatory Supervisor
Title

4-21-03
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 knowledge.

4-21-03
Date of Survey

Signature and Seal of Professional Surveyor

8894
Certificate Number

OPERATIONS PLAN

Well Name: San Juan 29-7 Unit #66B
Location: 2065'FNL, 2240'FWL, Section 22, T-29-N, R-7-W
Rio Arriba County, New Mexico
Latitude 36° 42.8, Longitude 107° 33.6
Bottom hole Location: 2003'FNL, 517'FWL, Section 22, T-29-N, R-7-W
Formation: Blanco Mesaverde
Elevation: 6794'GL

<u>Formation Tops:</u>	<u>Measured Depth</u>	<u>Top True Vertical Depth</u>	<u>Bottom True Vertical Depth</u>	<u>Contents</u>
Surface	San Jose	San Jose	2656'	
Ojo Alamo	2970'	2656'	2796'	aquifer
Kirtland	3140'	2796'	3173'	gas
Fruitland	3590'	3173'	3591'	gas
Pictured Cliffs	4042'	3591'	3756'	gas
Lewis	4211'	3756'	4221'	gas
Intermediate casing	4311'			
Huerfanito Bentonite	4678'	4221'	4576'	gas
Chacra	5033'	4576'	5326'	gas
Cliff House	5783'	5326'	5426'	gas
Menefee	5883'	5426'	5746'	gas
Point Lookout	6203'	5746'	6156'	gas
Total Depth	6603' MD	6146' TVD		

Logging Program:

Cased hole - CBL-GR - TD to surface

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 120'	Spud	8.4-8.9	40-50	no control
0- 4461' MD	Non-dispersed	8.4-9.0	30-60	less than 8
4461- 6603' MD	air/mist	n/a	n/a	n/a

Drilling:

Surface:

Drill to surface casing point of 120' and set 9 5/8" casing.

Intermediate:

Mud drill to the kick off point of approximately 400'. At this point, the well will be directionally drilled by building 3.0 degrees per 100' with an azimuth of 272.05 degrees. The end of the build will be at a TVD of 1475.3', a MD of 1542.17', VS of 331.47', and an angle of 34.27 degrees. This angle will be held at an azimuth of 312.4 degrees until 3012.35' TVD, and 3402.02' MD. The angle will then be dropped at 3.0 degrees per 100' to 4210.86' MD, 3756' TVD and 10 degrees. The angle will then be dropped at 2 degrees per 100' at an azimuth of 271.68 until intermediate casing point of approximately 4006' TVD, 4461' MD, and 8 degrees inclination.

Production Hole:

The production hole will be drilled with an air hammer. It will drill out at intermediate casing point and fall at approximately 2 to 3 degrees per 100 feet and be vertical at a TD of 6146' TVD and 6033' TMD.

Materials:**Casing Program:**

<u>Hole Size</u> <u>(inches)</u>	<u>Measured</u> <u>Depth (ft)</u>	<u>TVD (ft)</u>	<u>Casing</u> <u>Size (in)</u>	<u>Weight</u> <u>(lbs/ft)</u>	<u>Grade</u>
12 1/4"	120'	120'	9 5/8"	32.3	H-40
8 3/4"	4461'	4006'	7"	20.0	J-55
6 1/4"	6603'	6146'	4 1/2"	10.5	J-55

Casing Equipment:

9 5/8" surface casing - sawtooth guide shoe.

7" intermediate casing - cement nose guide shoe on bottom, float collar one joint off bottom. Centralizers spaced as follows: (25) spaced every fourth joint from bottom to surface. Two turbolizing type centralizers, one below and one into the Ojo Alamo at 3140' TMD.

4 1/2" production casing - float shoe on bottom, float collar, 6003' of 4 1/2" 10.5# J-55 ST&C csg.

Tubing:

6603' of 2 3/8", 4.7#, J-55 8rd EUE tubing with seating nipple one joint off bottom and an expendable check valve on bottom.

Wellhead Equipment:

9 5/8" x 7" x 2 3/8" - 11" (2000 psi) wellhead assembly.

Cementing

9 5/8" surface casing - cement with 32 sx Class A, B Portland Type I, II cement with 20% fly ash (38 cu.ft. of slurry, to circulate to surface). WOC 24 hours for preset holes or 8 hours for conventionally set holes before pressure testing or drilling out from under surface casing. Test casing to 600 psi for 30 minutes.

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

7" intermediate casing -

Lead w/569 sx Premium Lite cmt w/3% calcium chloride, and 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS. Tail w/90 sx Type III cmt w/1% calcium chloride, 0.2% fluid loss and 0.25 pps Flocele (1335 cu.ft. of slurry, 100% 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.

4 1/2" Production casing -

Cement to circulate liner top. Pump 150 sx 35/65 poz L (Fly Ash L) Type III cement w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss 6% gel, 7 pps CSE (298 cu.ft., 30% excess to circulate liner top). WOC a minimum of 18 hrs prior to completing.

Cement float shoe on bottom with float collar spaced on top of float shoe.

BOP and Tests

Surface to intermediate TD - 11", 3000 psi double gate BOP stack (Reference Figure #1). Prior to drilling out surface casing, test rams and casing to 700 psi for 30 minutes.

Intermediate TD to Total Depth - 11" nominal, 3000 psi (minimum) double gate BOP stack (Reference Figure #1). Prior to drilling out intermediate casing, test rams and casing to 1500 psi (minimum) for 30 minutes.

Surface to Total Depth - choke manifold (Reference Figure #2).

Pipe rams will be actuated at least once each day and blind rams will be actuated once each trip to test proper functioning. A kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Additional Information

- This gas is dedicated.
- The west half of Section 22 is dedicated to the Mesaverde.
- New casing will be utilized.
- Pipe movement (reciprocation) will be done if hole conditions permit.
- No abnormal pressure zones are expected.

Dakota Contingency Plan

Mancos	6613'	6156'	7021'	gas
Gallup	7478'	7021'	7722'	gas
Greenhorn	8179'	7722'	7786'	gas
Graneros	8243'	7786'	7832'	gas
Dakota	8289'			gas
Total Depth	8513' MD	8056' TVD		

Mud Program:

Interval- MD	Type	Weight	Vis.	Fluid Loss
0- 120'	Spud	8.4-9.0	40-50	no control
120- 4311'	LSND	8.4-9.0	30-60	no control
4311- 8513'	Air/Mist/N2*	n/a	n/a	n/a

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

Hole Size (inches)	Measured Depth (ft)	TVD (ft)	Casing Size (in)	Weight (lbs/ft)	Grade
12 1/4"	120'	120'	9 5/8"	32.3	H-40
8 3/4"	4311'	3856'	7"	20.0	J-55
6 1/4"	8513'	8056'	4 1/2"	10.5	J-55

Tubing Program: 0' - 8513' 2 3/8" 4.7# J-55

BOP Specifications, Wellhead and Tests:

Surface to Intermediate TD -

11" 3000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out surface casing, rams and casing will be tested to 600 psi for 30 minutes.

Intermediate TD to Total Depth -

11" 3000 psi minimum double gate BOP stack (Reference Figure #1). After nipple-up prior to drilling out intermediate casing, rams and casing will be tested to 1500 psi for 30 minutes.

Surface to Total Depth -

2" nominal, 3000 psi minimum choke manifold (Reference Figure #2).

Completion Operations -

7 1/16" 3000 psi double gate BOP stack (Reference Figure #3). 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 2 3/8" x 3000 psi tree assembly.

7" intermediate casing -

Lead w/547 sx Premium Lite cmt w/3% calcium chloride, and 0.25 pps Flocele, 5 pps LCM-1, 0.4% fluid loss, 0.4% SMS. Tail w/90 sx Type III cmt w/1% calcium chloride, 0.2% fluid loss and 0.25 pps Flocele (1290 cu.ft. of slurry, 100% 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.

4 1/2" Production Casing -

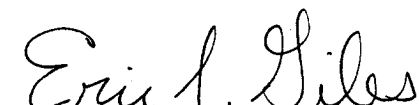
Cement to cover minimum of 100' of 4 1/2" x 7" overlap. Pump 289 sx 35/65 poz L (Fly Ash L) Type III cement w/0.25 pps Celloflake, 0.3% CD-32, 6.25 pps LCM-1, 1% fluid loss 6% gel, 7 pps CSE (572 cu.ft., 30% excess to cover overlap). WOC a minimum of 18 hrs prior to completing.

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.

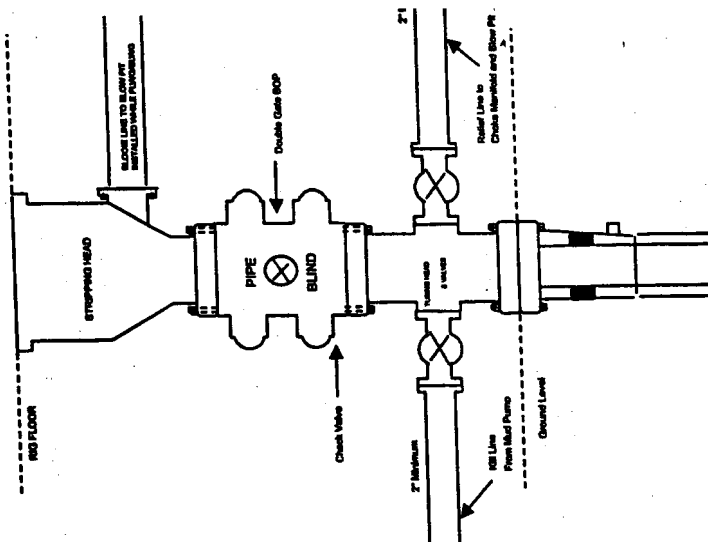
- If hole conditions permit, an adequate water spacer will be pumped ahead of each cement job to prevent cement/ mud contamination or cement hydration.
- The Mesa Verde and Dakota formations will be completed and commingled.
- No abnormal temperatures or hazards are anticipated.
- Anticipated pore pressures are as follows:

Fruitland Coal	300 psi
Pictured Cliffs	600 psi
Mesa Verde	700 psi
Dakota	2500 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 west half of Section 9 is dedicated to the Mesaverde and the Dakota formation of this well.
- This gas is dedicated.


Drilling Engineer

4-17-03
Date

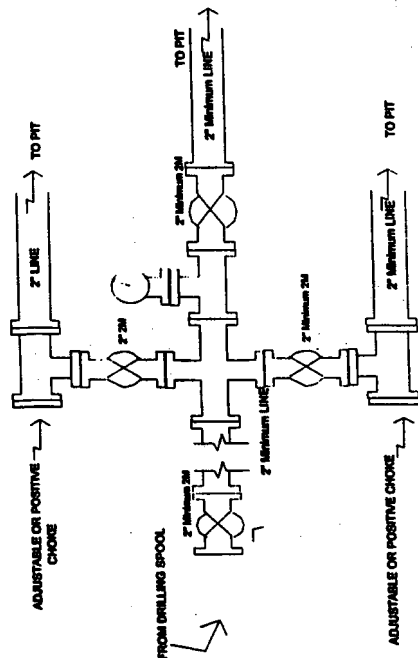
Completion/Workover Rig
BOP Configuration
2,000 psi System



Minimum BOP Installation for all Completion/Workover Operations. 7-1/16" bore, 2000 psi minimum working pressure double gate BOP to be equipped with blind and pipe rams. A stripping head to be installed on the top of the BOP. All BOP equipment is 2000 psi working pressure or greater excluding 500 psi stripping head.

Figure #2

Drilling Rig
Choke Manifold Configuration
2000 psi System

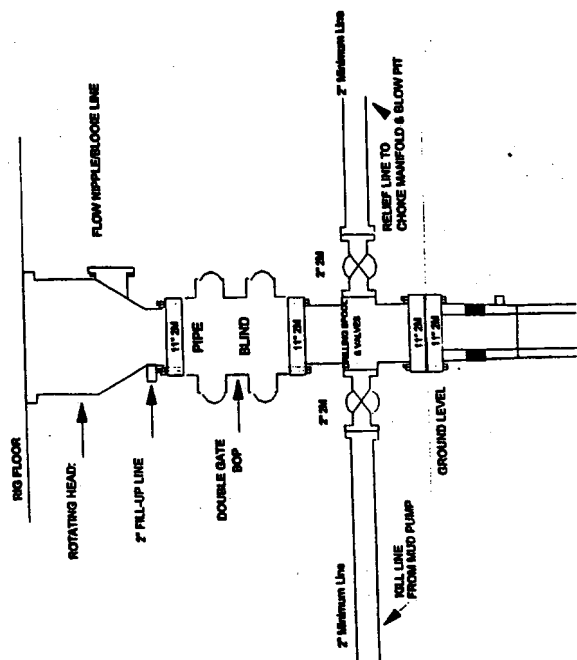


Choke manifold installation from Surface Casing Point to Total Depth. 2,000psi working pressure equipment with two chokes.

Figure #3

4-20-01

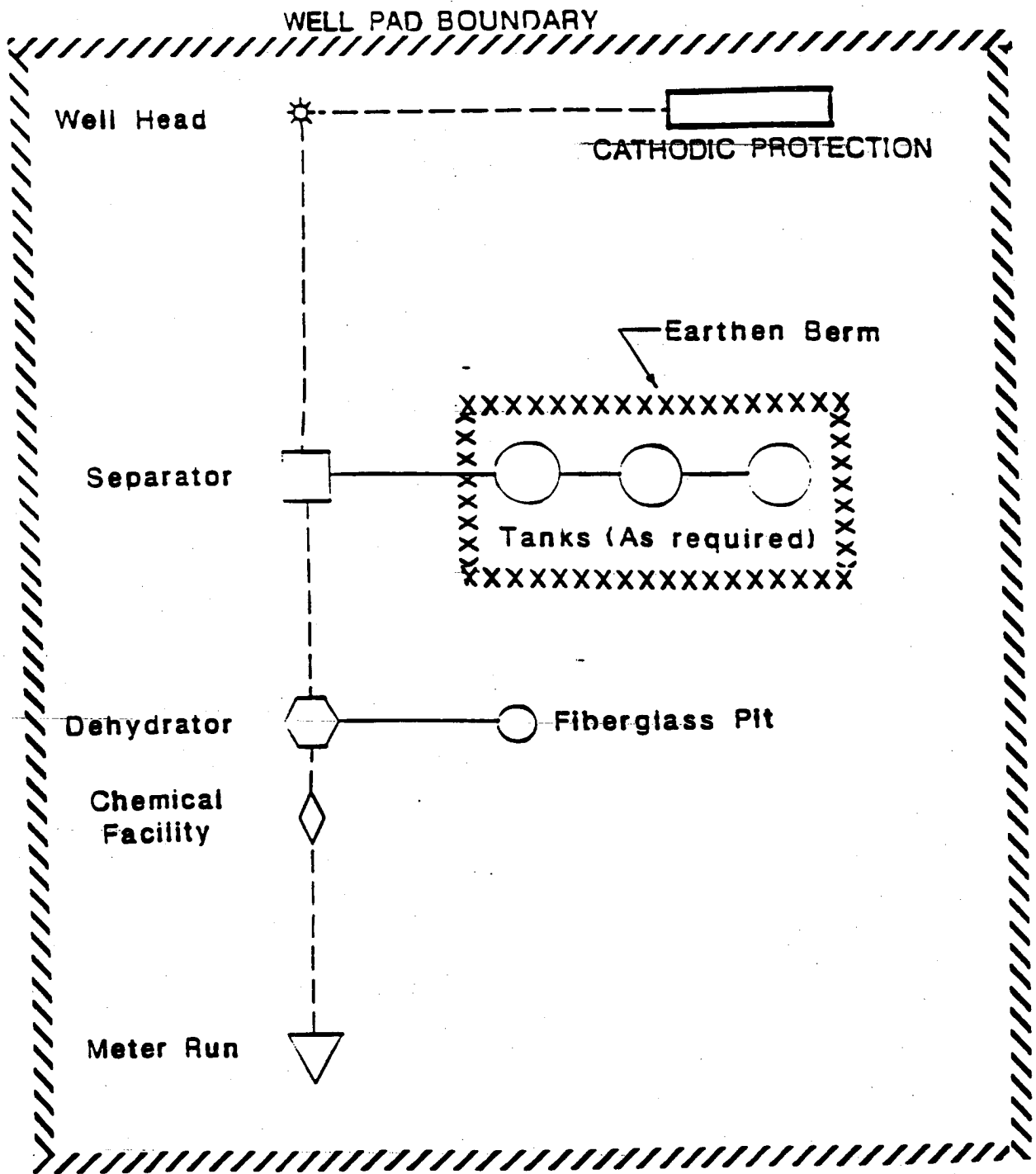
Drilling Rig
2000 psi System



BOP Installation from Surface Casing Point to Total Depth. 11" Bore 10" Nominal. 2000 psi working pressure double gate BOP to be equipped with blind rams and pipe rams. A 500 psi rotating head on top of ram preventers. All BOP equipment is 2,000 psi working pressure

Figure #1

4-20-01



PLAT #1

**ANTICIPATED
PRODUCTION FACILITIES
FOR A
MESA VERDE WELL**

KFR 2/90