

NOR: 12-27-07
 APOP: 02-07
 MP: 02-07
 SMA: 02-07
 BOND: \$100,000.00
 CAPA: 02-07

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT

RCVD MAY2'07
 OIL CONS. DIV.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

DIST. 3

Burlington et al
Lot 1-3
H.B. Packard

2007 FEB 13 11 00 AM

1a. Type of Work
 DRILL

5. Lease Number
 NMNM-02491
 Unit Reporting Number

1b. Type of Well
 GAS

6. If Indian, All. or Tribe

2. Operator
BURLINGTON
 RESOURCES Oil & Gas Company, LP

7. Unit Agreement Name

3. Address & Phone No. of Operator
 PO Box 4289, Farmington, NM 87499
 (505) 326-9700

8. Farm or Lease Name
 Murphy C

9. Well Number
 #100

4. Location of Well
 Unit F, 1850' FNL & 1850' FNL *SE NW*

10. Field, Pool, Wildcat
 Basin Fruitland Coal

Latitude 36° 47.1401'N
 Longitude 107° 58.8110'W

11. Sec., Twn, Rge, Mer. (NMPM)
 Sec. 27, 30N, R11W

Lot 6 / F API # 30-045-34174

14. Distance in Miles from Nearest Town

12. County
 San Juan

13. State
 NM

15. Distance from Proposed Location to Nearest Property or Lease Line
 1850'

16. Acres in Lease

17. Acres Assigned to Well
 FC - 317.66 N/2 ✓

18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease

19. Proposed Depth
 2519'

20. Rotary or Cable Tools
 Rotary

21. Elevations (DF, FT, GR, Etc.)
 5945' GL

22. Approx. Date Work will Start

23. Proposed Casing and Cementing Program
 See Operations Plan attached

24. Authorized by: *Peter Chug*
 Sr. Regulatory Specialist

Date *2/15/07*

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

3/10/07
 ENTERED
 AFMCC

Archaeological Report attached

Threatened and Endangered Species Report attached

NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

Title 18 U.S.C. Section 1001, makes 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 presentations as to any matter within its jurisdiction.

EXAMPLE 2 - SEE MASTER PLAN

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

FARMINGTON

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

3/13/07

DISTRICT I
1625 N. French Dr., Suite 200, S.M. 88240State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102

DISTRICT II
1301 W. Grand Avenue, Artesia, N.M. 88210

Revised October 12, 2005

DISTRICT III
1805 E. Grand Ave., Artesia, N.M. 87410

OIL CONSERVATION DIVISION

Submit to Appropriate District Office

1220 South St. Francis Dr.
Santa Fe, N.M. 87505

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, N.M. 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045 - 34174	² Pool Code 71629	³ Pool Name BASIN (FRUITLAND COAL)
⁴ Tract Code 7337	⁵ Property Name MURPHY C	⁶ Well Number 100
⁷ Acres No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL & GAS CO. LP.	⁹ Elevation 5945

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
F	27	30 N	11 W	(6)	1850	NORTH	1850	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres N/A 317.66	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 S 88°02'12" E 2580.68' Pc LOTS 4 39.79 2675.93 N 0°20'10" W 1850' 39.79 2676.06' Mv LOTS 12 2676.06' N 0°21'03" W 1850' 39.79 2676.06'	¹⁷ 39.73 1850' Dk LOTS 5 39.73 2676.06' E 39.73 2676.06' Pc LOTS 14 2676.06'	¹⁸ S 88°00'02" E 2588.31' Pc LOTS 2 39.68 2675.93 USA NM-02491 Mv 39.68 2675.93 Dk LOTS 7 39.68 2675.93 Pc LOTS 15 2675.93	¹⁹ 39.63 LOTS 1 2675.93 Mv 39.63 2675.93 Dk LOTS 8 39.63 2675.93 Pc LOTS 16 2675.93	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this information either owns a working interest or selected interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a unitizing pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Kandis Roland</u> Date: <u>12/21/06</u> Printed Name: <u>Kandis Roland</u>
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. Date of Survey: <u>11/28/06</u> Signature and Seal of: <u>[Signature]</u> 17078 Certificate Number: <u>17078</u>				

Submit 3 Copies To Appropriate District Office

State of New Mexico

Form C-103

May 27, 2004

Energy, Minerals and Natural Resources

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO.

30-045- 34774

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA-NM-02491

7. Lease Name or Unit Agreement Name

Murphy C

8. Well Number

100

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Fruitland Coal

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.)

1. Type of Well:

Oil Well ☐Gas Well ☒

Other

2. Name of Operator

BURLINGTON RESOURCES OIL & GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter F : 1850' feet from the North line and 1850' feet from the West line
Section 27 Township 30N Rng 11W NMPM County San Juan

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

5945'

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type New Drill 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 bbbls Construction Material >200'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐

OTHER:

New Drill ☒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.

New Drill, Lined:

Burlington Resources proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in Burlington's Revised Drilling / Workover Pit Construction / Operation Procedures dated November 11, 2004 on file at the NMOCDD office. A portion of the vent/flare pit will be designed to manage fluids and that portion will be lined as per the risk ranking criteria. Burlington Resources anticipates closing these pits according to the Drilling / Workover Pit Closure Procedure dated August 2, 2004 on file at the NMOCDD office.

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 NMOCDD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

Patsy Clugston

TITLE

Sr. Regulatory Specialist

DATE

2/15/2007

Type or print name

Patsy Clugston

E-mail address:

pclugston@bro-inc.com

Telephone No.

505-326-9700

For State Use Only

APPROVED BY

[Signature]

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. III

DATE

MAR 13 2007

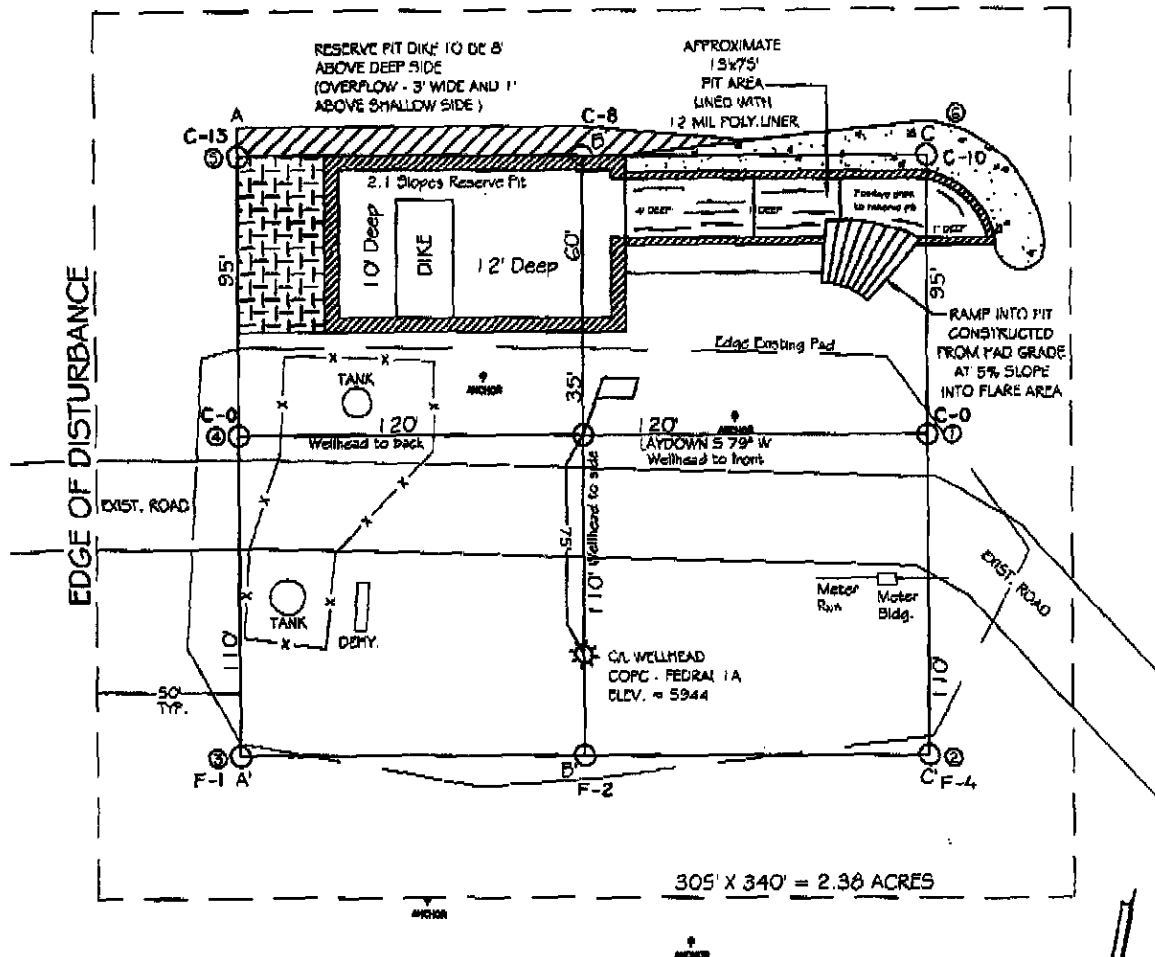
Conditions of Approval (if any):

BURLINGTON RESOURCES OIL & GAS CO. LP.

MURPHY C 100 - 1850' FNL & 1850' FWL ✓

SECTION 27, T-30-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, N.M.

GROUND ELEVATION: 5945 - DATE: NOVEMBER 28, 2006



LATITUDE: 36°47.1401' N LONGITUDE: 107°58.8110' W NAD 27



NOTES:

- 1.) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.
- 2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 11/28/06

REV. DATE:

APP. BY M.L.

DRAWN BY: H.S.

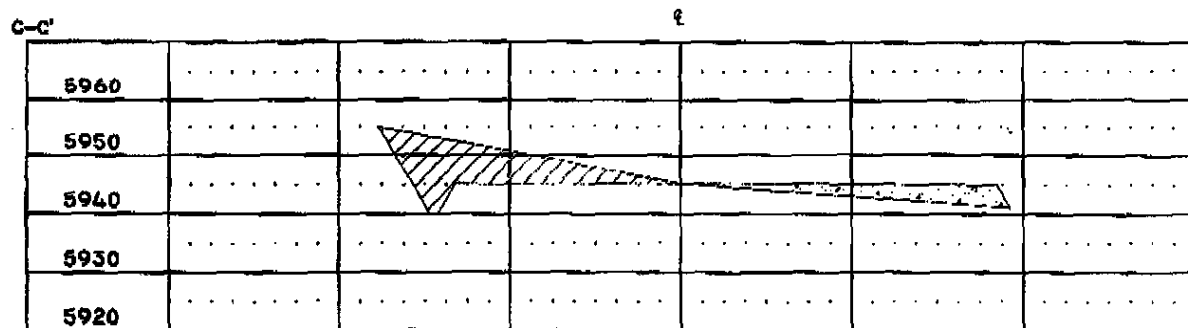
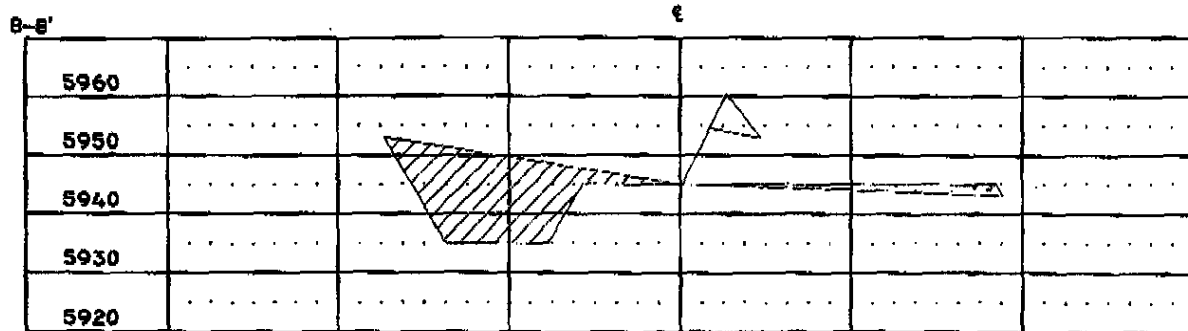
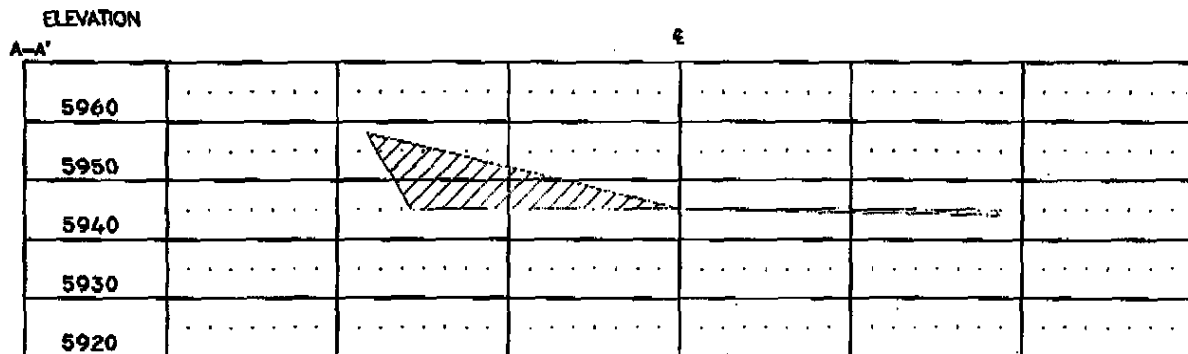
DATE DRAWING: 12/11/06

FILE NAME: 7360101

UNITED
 FIELD SERVICES INC.

 P.O. BOX 3651
 FARMINGTON, NM 87409
 OFFICE: (505)334-0408

BURLINGTON RESOURCES OIL & GAS CO. LP.
MURPHY C 100 - 1850' FNL & 1850' FWL
SECTION 27, T-30-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 5945 - DATE: NOVEMBER 28, 2006



1" = 60' - HORIZ.

1" = 30' - VERT.

NOTES:

1.) CONTRACTOR SHOULD CALL "ONE-CALL" FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONST.

2.) UNITED FIELD SERVICES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.

SURVEYED: 11/28/06

REV. DATE:

APP. BY M.L.

DRAWN BY: H.S.

DATE DRAWN: 12/11/06

FILE NAME: 7360C01

UNITED
FIELD SERVICES INC.

P.O. BOX 3851
FARMINGTON, NM 87489
OFFICE: (505)334-0408

ConocoPhillips

San Juan Business Unit

PROJECT PROPOSAL - New Drill / Sidetrack**MURPHY C 100**

Lease:		AFE #: WAN.CDR.7056		AFE \$:	
Field Name: hBR SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geoscientist: Clark, Dave D		Phone: 505-326-9762		Prod. Engineer: Phone:	
Res. Engineer: Schlabaugh, Jim L		Phone: 505-326-9788		Proj. Field Lead: Phone:	
Primary Zones					
Zone	Zone Name				
2035	FRUITLAND COAL				
RCO087	FRUITLAND SAND(RCO087)				

Latitude: 36.785668		Longitude: -107.980183		X:	Y:	Section: 27	Range: 011W
Footage X: 1850 FWL		Footage Y: 1850 FNL		Elevation: 5945 (FT)	Township: 030N		
Tolerance:							
Location Type: Year Round		Start Date (Est.):		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5957 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
SURFACE CSG	120	5837	☐			8-3/4" hole. 7" 20 ppf, J-55, STC casing. Cement with 50 cuft. Circulate cement to surface. ✓	
OJO ALAMO	944	5013	☐				
KIRTLAND	1040	4917	☐				
FRUITLAND	1907	4050	☐			gas	
PICTURED CLIFFS	2319	3638	☐			gas	
Total Depth	2519	3438	☐	400		6-1/2" hole. 4-1/2" 10.5 ppf, J-55, STC, casing. Cement with 387 cuft. Circulate cement to surface. ✓	

Reference Wells		
Reference Type	Well Name	Comments

Logging Program:		
Intermediate Logs:	☐ Log only if show	☐ GR/ILD ☐ Triple Combo

TD Logs:	☐ Triple Combo	☐ Dipmeter	☐ RFT	☐ Sonic	☐ VSP	☐ TDT	☒ Other
GR/CBL							

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FCNM030N011W27NW1 and FSNM030N011W27NW1 Twin well is Federal A 1 NW27-30N-11W.

Zones - FCNM030N011W27NW1 and FSNM030N011W27NW1

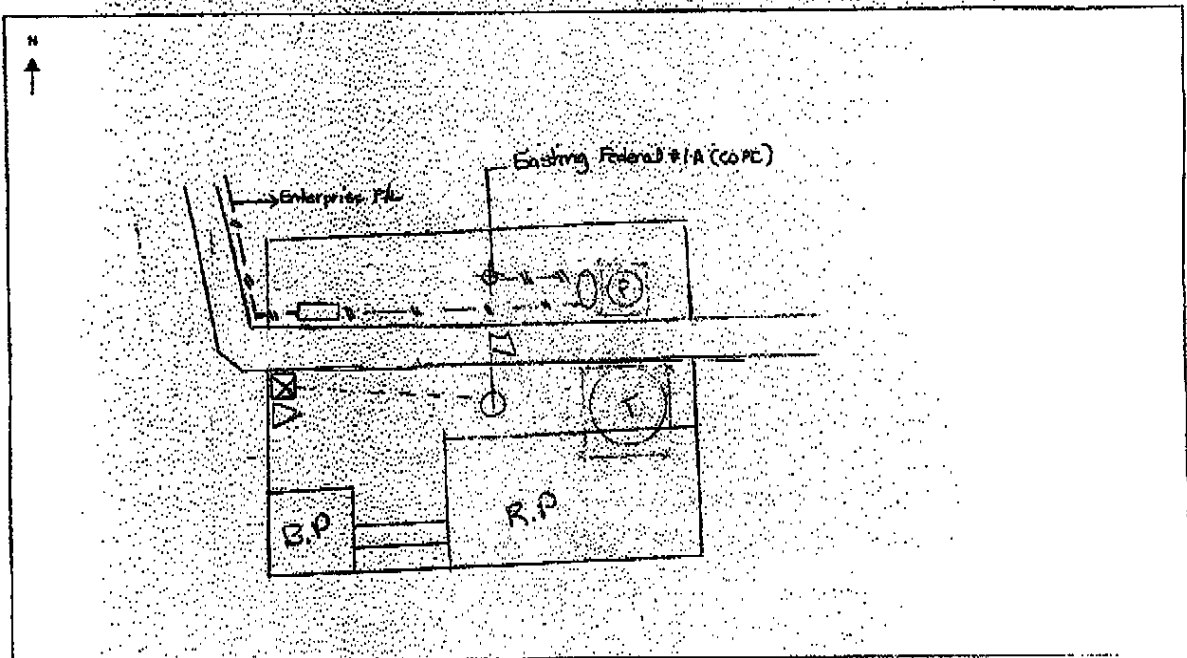
General/Work Description - MAKE SURE COST INCLUDE JET PUMP



CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Murphy C-100 LEGALS F-27-30-11 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill G.P. and set rectifier on west edge of location. Trench approx 180' of #8 neg cable from existing Federal #1A to solar and trench approx 1100' of #8 neg cable from proposed new well to solar.



EXISTING WELLHEAD	NEW WELLS	G.P.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS:

NEAREST POWER SOURCE N/A

DISTANCE: _____

PIPELINES IN AREA: Enterprise PL

TECHNICIAN: Michael J. (signature)

DATE: 1/29/07