

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM'S APPROVAL OR ACCEPTANCE OF THIS  
ACTION DOES NOT RELIEVE THE LESSEE AND  
OPERATOR FROM OBTAINING ANY OTHER  
AUTHORIZATION REQUIRED FOR OPERATIONS  
ON FEDERAL AND INDIAN LANDS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	<b>RECEIVED</b> DEC 28 2007 Bureau of Land Management Farmington Field Office	5. Lease Number USA SF - 081239 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe RCVD JAN 24 '08
2. Operator <b>BURLINGTON</b> RESOURCES Oil & Gas Company, LP		7. Unit Agreement Name OIL CONS. DIV. DIST. 3
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700		8. Farm or Lease Name Holder A 9. Well Number #100S
4. Location of Well Unit H (SENE), 1515' FNL & 1165' FEL  Latitude 36.844565 N, Longitude 108.134045	10. Field, Pool, Wildcat Basin Fruitland Coal  11. Sec., Twn, Rge, Mer. (NMPM) Sec. 6, T30N, R12W API # 30-045-34538 <i>Lot 15/4</i>	
14. Distance in Miles from Nearest Town 11.4 miles/Farmington	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1515'		
16. Acres in Lease 2410.240	17. Acres Assigned to Well FC - 282.35 N/2	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 54' from Holder A 1E		
19. Proposed Depth 2401'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5992' GL	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <i>Jamie Goodwin</i> Jamie Goodwin (Regulatory Technician)	<i>12/29/07</i> Date	

PERMIT NO.

APPROVAL DATE

APPROVED BY *D. Mantecón*

TITLE *NFM*

DATE *1/22/08*

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 Master Plan Type 2

Bond Numbers NMB-000015 and NMB-000089

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT

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

JAN 25 2008  
AV

NMOC

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

DISTRICT I  
1825 N. French Dr., Hobbs, N.M. 88240

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

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

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

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

Form C-102  
Revised October 12, 2005

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-34538	*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 18546	*Property Name HOLDER A	*Well Number 100S
*GRID No. 14538	*Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	*Elevation 5992'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	6	30-N	12-W	12	1515'	NORTH	1165'	EAST	SAN JUAN

<sup>11</sup> 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
H									
Dedicated Acres 282.35 N/2			Joint or Infill		Consolidation Code		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

LOT 11 LAT: 36°50.8737' N. LONG: 108°08.0050' W. NAD 1927 LOT 10 LAT: 36.844565' N. LONG: 108.134045' W. NAD 1983	LOT 9	LOT 8
SF-077482 LOT 12	LOT 13	SF-081239 LOT 14
LOT 19	LOT 18	LOT 17
LOT 20	LOT 21	LOT 22
LOT 23	LOT 24	LOT 25

RECEIVED  
DEC 28 2007

<sup>17</sup> 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 organization either owns a working interest or unleased mineral 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 a working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Jamie Goodwin*  
Signature  
Printed Name  
12/29/07

<sup>18</sup> 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.

10-  
Date of Survey  
Signature  
15703  
Certificate Number

Bureau of Land Management  
Farmington Field Office

## State of New Mexico

Energy, Minerals and Natural Resources

Form C-103

May 27, 2004

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO.

30-045- 34538

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil &amp; Gas Lease No.

7. Lease Name or Unit Agreement Name

Holder A

8. Well Number

#100S

9. OGRID Number

14538

10. Pool name or Wildcat

Basin FC/Flora Vista FS

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 &amp; GAS COMPANY LP

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter H : 1515' feet from the North line and 1165' feet from the East line  
Section 6 Township 30N Rng 12W NMPM County San Juan11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
5992'

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:

N/A

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

## 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 ☐

OTHER:

New Drill ☒

## SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPNS. ☐P AND A ☐CASING/CEMENT JOB ☐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 NMOCD 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 NMOCD 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 NMOCD guidelines ☐, a general permit ☒ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Sasha Spangler TITLE Regulatory Technician DATE 12/10/2007Type or print name Sasha Spangler E-mail address: spangs@conocophillips.com Telephone No. 505-326-9568

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JAN 25 2008

Conditions of Approval (if any):

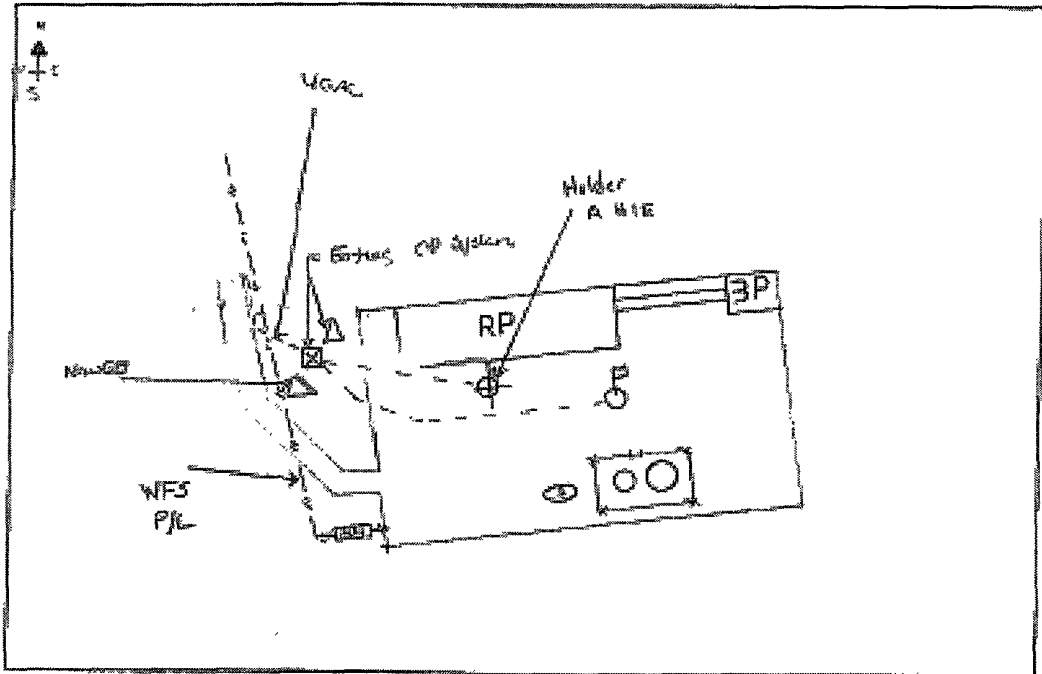


TECHNICAL SERVICES  
A CORROSION COMPANY

### CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Holder A #105 LEGALS H-14-30-12 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill new AB and upgrade existing rectifier. Trench approx 250' of #8 wire from proposed well to the rectifier (Retrench wire to #10 if needed)



COMMENTS: Y 12.4 / A 4.4 = 2.1 OHM AB

NEAREST POWER SOURCE Existing Rectifier (Holder A #105) DISTANCE: Same Pad  
PIPELINES IN AREA: WFS P/L

TECHNICIAN: John H. Johnson DATE: 12/4/07

# PROJECT PROPOSAL - New Drill / Sidetrack

HOLDER A 100S

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7363		AFE \$: 193,004.58	
Field Name: hBR_SAN JUAN		Rig: Aztec Rig 580		State: NM	County: SAN JUAN
Geologist:		Phone:	Geophysicist:		Phone:
Geoscientist: Clark, Dave D		Phone: 505-326-9762	Prod. Engineer:		Phone:
Res. Engineer:		Phone:	Proj. Field Lead:		Phone:

## Primary Objective (Zones):

Zone	Zone Name
JCV	BASIN FRUITLAND COAL (GAS)

Location: Surface		Datum Code: NAD 27		Straight Hole	
Latitude: 36.844563	Longitude: -108.133417	X:	Y:	Section: 06	Range: 012W
Footage X: 1165 FEL	Footage Y: 1515 FNL	Elevation: 5992	(FT)	Township: 030N	
Tolerance:					

Location Type: Year Round	Start Date (Est.): 1/1/2008	Completion Date:	Date In Operation:
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Formation Data: Assume KB = 6006	Units = FT
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Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5806	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	501	5505	<input type="checkbox"/>			
KIRTLAND	601	5405	<input type="checkbox"/>			
FRUITLAND	1754	4252	<input type="checkbox"/>			Gas
PICTURED CLIFFS	2201	3805	<input type="checkbox"/>			Gas
Total Depth	2401	3605	<input type="checkbox"/>	225		6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 369 cuft. Circulate cement to surface.

## Reference Wells:

Reference Type	Well Name	Comments
Production	Holder A 1E	NE6-30N-12W twin

## Logging Program:

Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD	<input type="checkbox"/> Triple Combo
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TD Logs:	<input type="checkbox"/> Triple Combo	<input type="checkbox"/> Dipmeter	<input type="checkbox"/> RFT	<input type="checkbox"/> Sonic	<input type="checkbox"/> VSP	<input type="checkbox"/> TDT	<input checked="" type="checkbox"/> Other
GR/CBL							

Additional Information:
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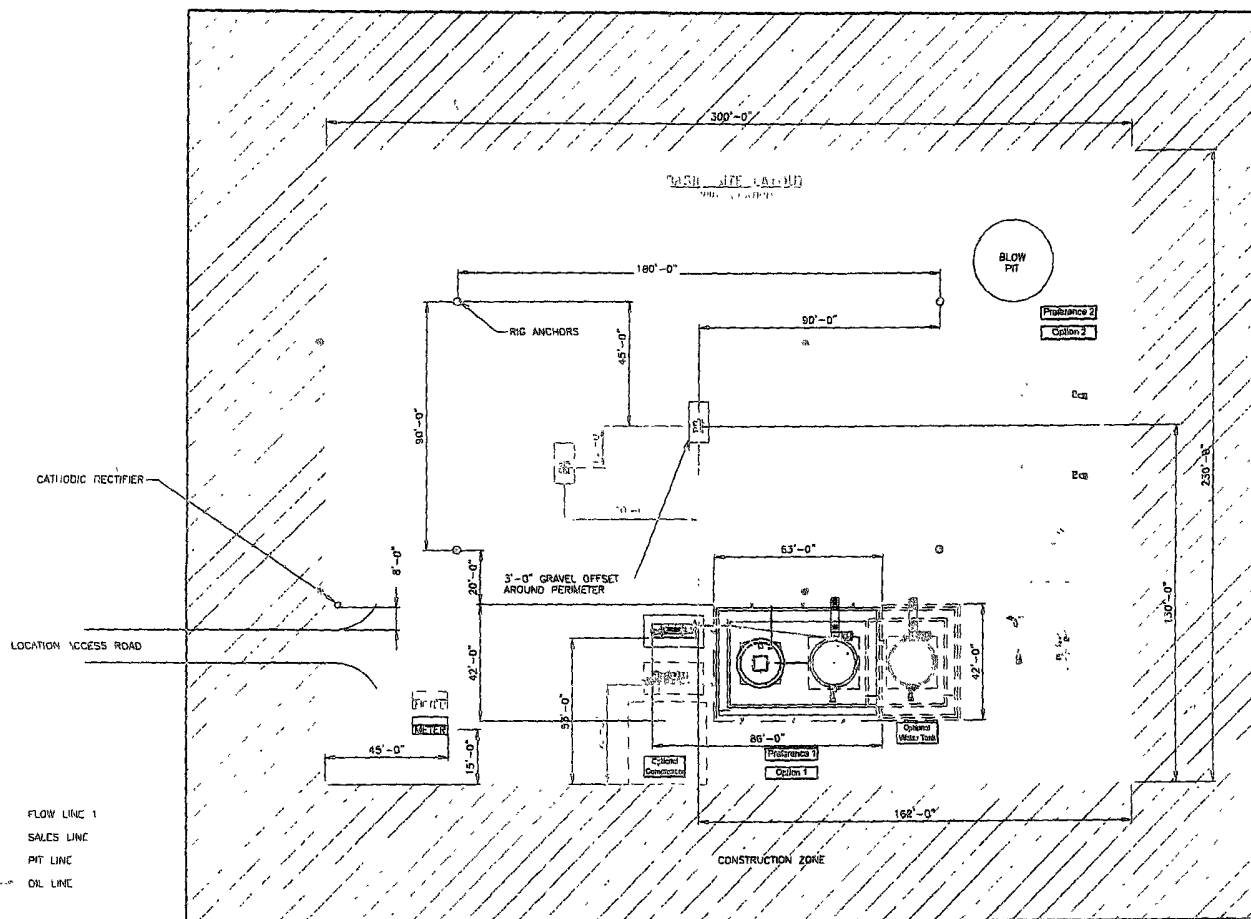
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - FCNM030N012W06NE1 Twin Holder A 1E (DK), else prefer H,G,A,B.

Zones - FCNM030N012W06NE1

General/Work Description - This well is part of the UPE top 20 list

In doing the Plat Review Land, it was determined that the wrong applicable lease (SF-077482) is noted on the Plat, it needs to be SF-081239. DSW contacted D. Busse for correction to Plat - dsw



SEE SHEET 3 & 4 FOR PIPING DETAILS  
ALL UNDERGROUND PIPE IS TO BE BURIED A MIN. OF 3'-0" TOP

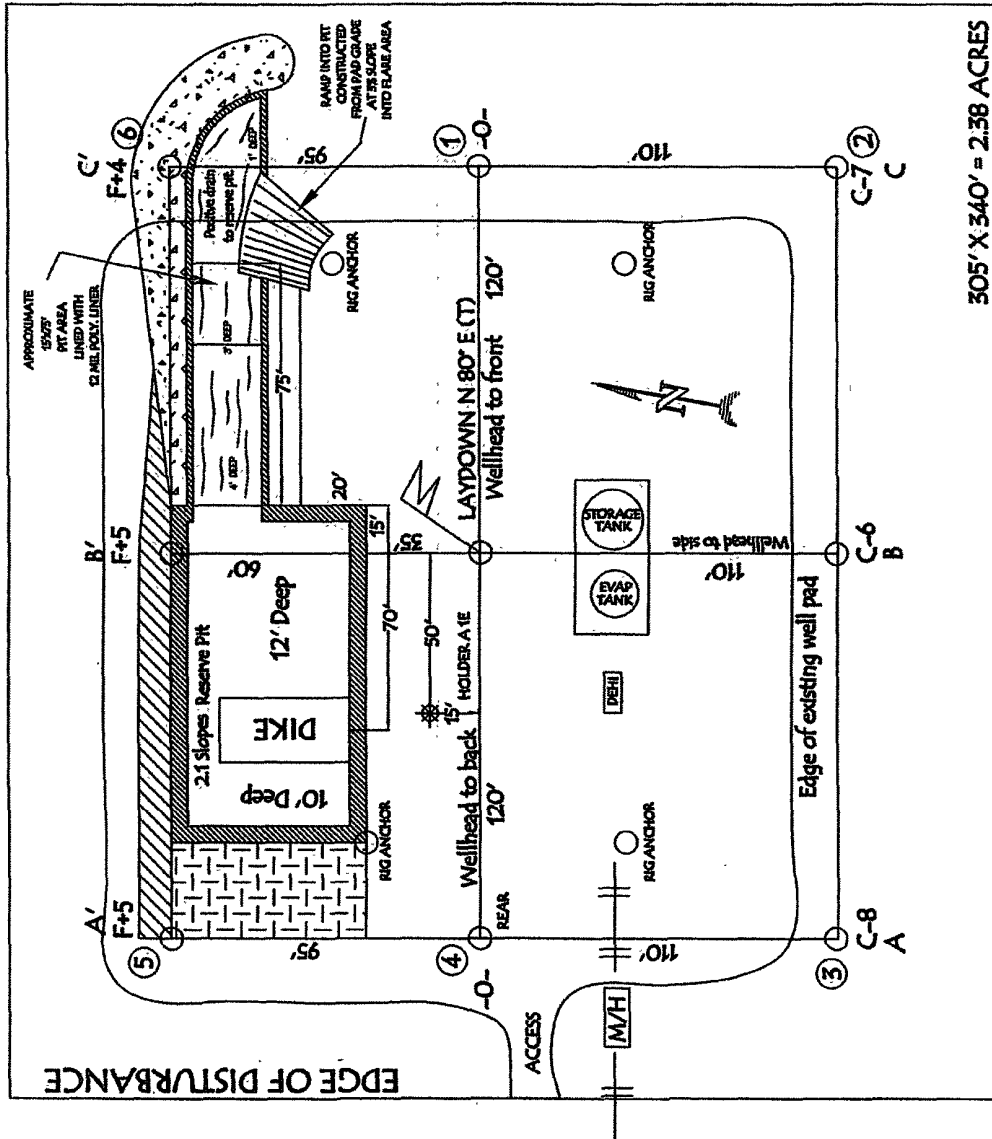
SHEET 1 OF 3

										CONOCO PHILLIPS		
										HIGH PRESSURE 3 PHASE		
										FACILITY DIAGRAM - SITE LAYOUT		
										SAN JUAN BUSINESS UNIT		
										HP3PHASE-REV1		
										1 OF 3		

PROJECT: SAN JUAN BUSINESS UNIT, SAN JUAN, NEW MEXICO, LOCATION: SAN JUAN, NEW MEXICO, DATE: 06/28/2007, DESIGNED BY: [REDACTED]

# BURLINGTON RESOURCES OIL & GAS COMPANY LP HOLDER A 100S, 1515' FNL & 1165' FEL SECTION 6, T-30-N, R-12-W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 5992', DATE: SEPTEMBER 24, 2007

NOTE: VECTOR SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.  
 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.



RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (COVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).

LATITUDE: 36° 50.6737' N  
 LONGITUDE: 108° 08.0050' W NAD27  
 NAD27

# BURLINGTON RESOURCES OIL & GAS COMPANY LP

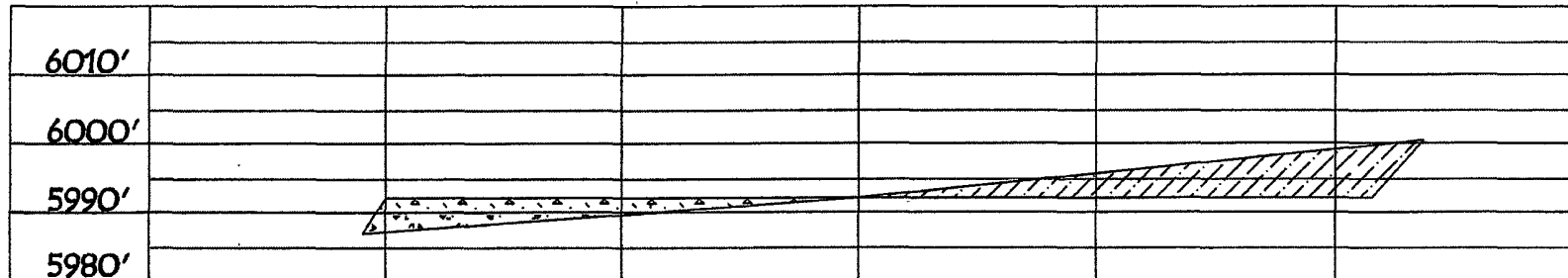
HOLDER A 100S, 1515' FNL & 1165' FEL

SECTION 6, T-30- N, R-12-W, NMPM, SAN JUAN COUNTY, NM

GROUND ELEVATION: 5992', DATE: SEPTEMBER 24, 2007

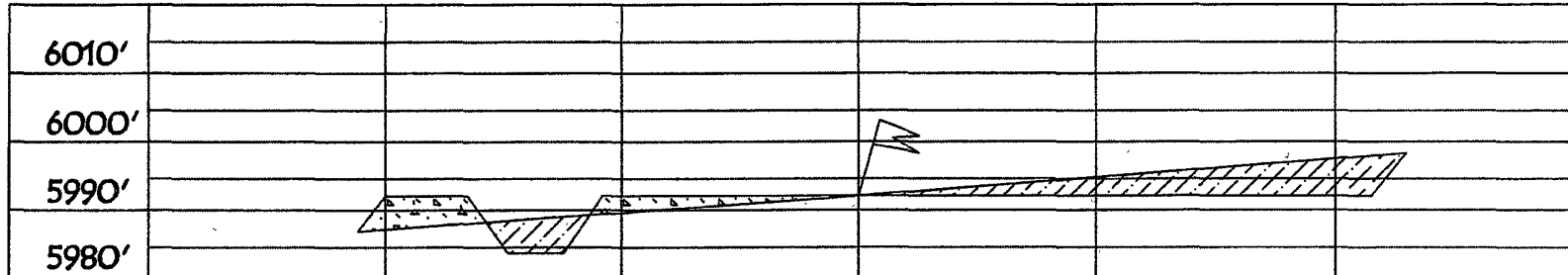
ELEV. A'-A

C/L



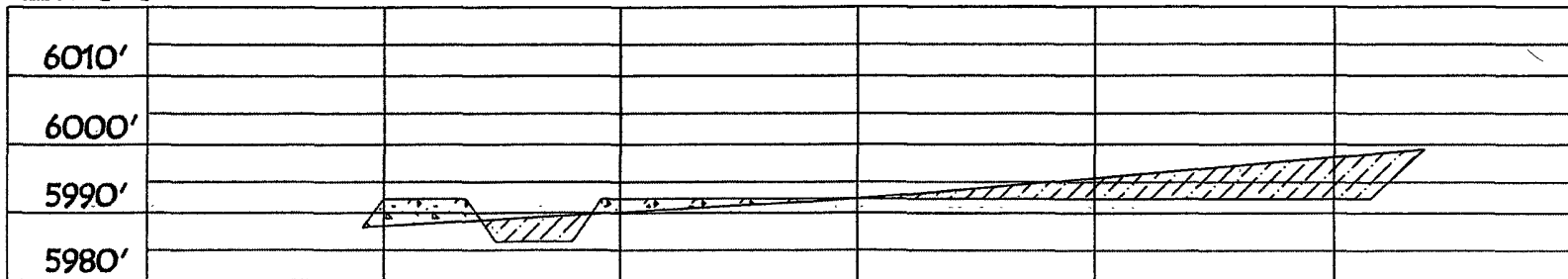
ELEV. B'-B

C/L



ELEV. C'-C

C/L



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PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.