


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	5. Lease Number USA SF-078200-A Unit Reporting Number
1b. Type of Well GAS	6. If Indian, All. or Tribe RCVD NOV 16 '07
2. Operator BURLINGTON 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 GRAMBLING C 9. Well Number #1F
4. Location of Well Unit F (SENW), 1310' FNL & 1600' FWL Surf: Latitude 36° 48.9275 N Longitude 107° 51.4022 W	10. Field, Pool, Wildcat Basin Dakota 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 14, T30N, R10W API # 30-045-34459
14. Distance in Miles from Nearest Town 10 mile/Aztec	12. County San Juan 13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1310'	
16. Acres in Lease 1070.92	17. Acres Assigned to Well DK 311.78 (N/2)
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 300' from Grambling C 2A	
19. Proposed Depth 7670'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6442' GL	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	 H ₂ S POTENTIAL EXIST
24. Authorized by: <i>Rhonda Rogers</i> Rhonda Rogers (Regulatory Technician)	NOTIFY AZTEC OCD 24 HRS. PRIOR TO CASING & CEMENT Date

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

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 3

Bond Numbers NMB-000015 and NMB-000089

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

NMOCD NOV 20 2007

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

DISTRICT I
1625 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

OCT 9 2007

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

Bureau of Land Management
Farmington Field Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-34459	² Pool Code 71599	³ Pool Name BASIN DAKOTA
⁴ Property Code 7056	⁵ Property Name GRAMBLING C	⁶ Well Number 1F
⁷ OGRID No. 14538	⁸ Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP	⁹ Elevation 6442'

¹⁰ Surface Location

UL or lot no. F	Section 14	Township 30-N	Range 10-W	Lot Idn (6)	Feet from the 1310'	North/South line NORTH	Feet from the 1600'	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. F	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 311.78 (N/2)					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

LOT 4 N 88° 05' 39" E 2622.34'		LOT 3		LOT 2		LOT 1	
1600'		1310'		USA SF-078200-A			
LOT 5		29' LOT 6		LOT 7		LOT 8	
LAT: 36°48.9275' N. LONG: 107°51.4022' W. NAD 1927		LAT: 36.815463' N. LONG: 107.857322' W. NAD 1983					
LOT 12		LOT 11		LOT 10		LOT 9	
LOT 13		LOT 14		LOT 15		LOT 16	

14

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 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.

Patsy Clugston 8/28/07
Signature
Patsy Clugston
Printed Name

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.

8-16-07
Date of Survey
GLEN W. RUSSELL
Signature and Seal of Professional Surveyor
GLEN W. RUSSELL
Certificate Number 15703

Office

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

State of New Mexico

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

May 27, 2004

WELL API NO.

30-045- 34459

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

Federal Lease #USA SF-078200-A

7. Lease Name or Unit Agreement Name

GRAMBLING C

8. Well Number

#1F

9. OGRID Number

14538

10. Pool name or Wildcat

Basin Dakota

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 : 1310' feet from the North line and 1600' feet from the West line
Section 14 Township 30N Rng 10W NMPM County San Juan

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

6442'

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

Pit Liner Thickness:

12

mil

Below-Grade Tank:

Volume

bbls;

Construction Material

1200
<1000

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

NOTICE OF INTENTION TO:

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

OTHER:

New Drill ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐COMMENCE DRILLING OPNS. ☐CASING/CEMENT JOB ☐ALTERING CASING ☐P AND A ☐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/flame 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/flame 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 Rhonda Rogers TITLE Regulatory Technician DATE 10-4-07Type or print name Rhonda Rogers E-mail address: rogerrs@conocophillips.com Telephone No. 505-599-4018

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE NOV 20 2007

Conditions of Approval (if any):

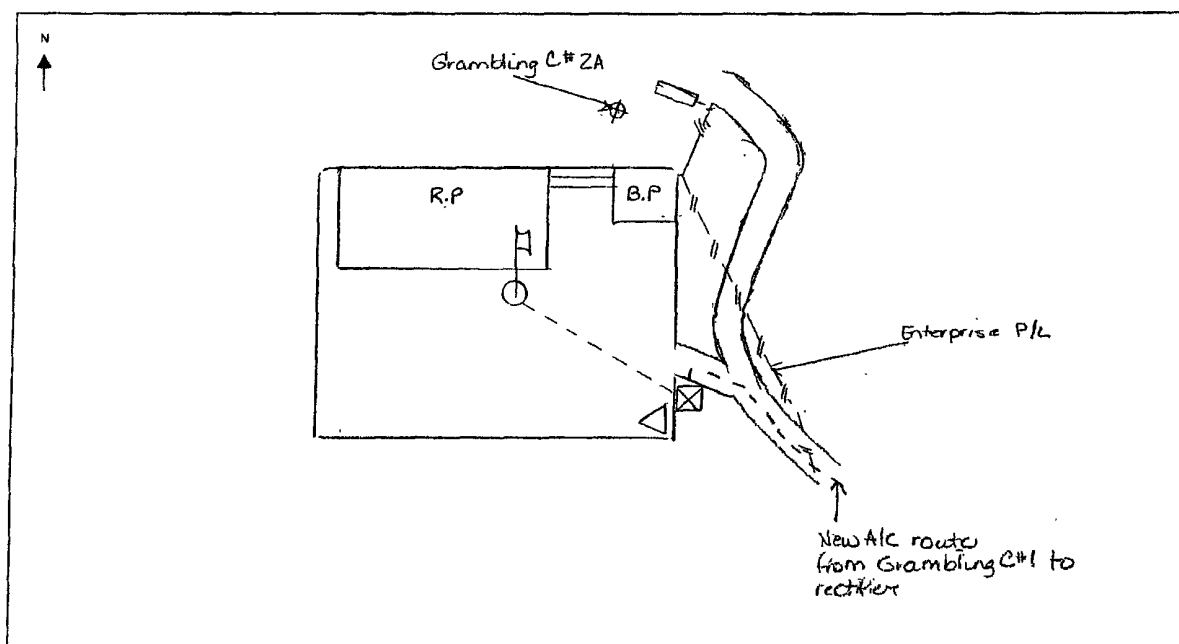


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME Grambling C #1F LEGALS F-14-30-10 COUNTY San Juan

PURPOSED C.P. SYSTEM: Drill GB and set rectifier on SE corner of the location. Trench approx 2000' of A/C from existing rectifier on Grambling C#1 to new rectifier. Trench approx 200' of #8 neg. from proposed well to rectifier.



EXISTING WELLHEAD	METER HOUSE	G.B.	POWER SOURCE	CABLE	NEW WELL	OVERHEAD A.C.

COMMENTS: Consider trenching neg. to Grambling C#2A no cp system on this location + no cable markers from #1 to indicate tie in.

NEAREST POWER SOURCE Grambling C#1 Existing Rect DISTANCE: 2000'
PIPELINES IN AREA: Enterprise P/L

TECHNICIAN: Michael Harrison DATE: 8/30/2007

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

GRAMBLING C 1F

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7227				AFE \$: 634,535.00	
Field Name: hBR_SAN JUAN		Rig: H&P Rig 281		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist: Head, Chip F		Phone: 505-326-9772		Prod. Engineer:		Phone:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
Location: Surface		Datum Code: NAD 27				Straight Hole	
Latitude: 36.815459	Longitude: -107.856703	X:	Y:	Section: 14		Range: 010W	
Footage X: 1600 FWL	Footage Y: 1310 FNL	Elevation: 6442 (FT)	Township: 030N				
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2008		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 6458 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks	
Surface Casing	216	6242	<input type="checkbox"/>			12-1/4" hole. 9-5/8", 32.3 ppf, H-40, STC casing. Cement with 171 cu ft. Circulate cement to surface.	
OJAM	1837	4621	<input type="checkbox"/>				
KRLD	1950	4508	<input type="checkbox"/>				
FRLD	2541	3917	<input type="checkbox"/>			Possible Gas	
PCCF	3081	3377	<input type="checkbox"/>				
LEWS	3238	3220	<input type="checkbox"/>				
Intermediate Casing	3338	3120	<input type="checkbox"/>			8-3/4" hole. 7", 20 ppf, J-55, STC Casing. Cement with 751 cu ft. Circulate cement to surface.	
CHRA	4123	2335	<input type="checkbox"/>				
UCLFH	4603	1855	<input type="checkbox"/>			Gas	
MASSIVE CLIFF HOUSE	4704	1754	<input type="checkbox"/>	498		Gas	
MENF	4871	1587	<input type="checkbox"/>				
PTLK	5313	1145	<input type="checkbox"/>				
MNCS	5743	715	<input type="checkbox"/>				
GLLP	6614	-156	<input type="checkbox"/>				
GRHN	7351	-893	<input type="checkbox"/>				
GRRS	7394	-936	<input type="checkbox"/>				
TWLS	7445	-987	<input type="checkbox"/>	2000		Gas	
PAGU	7542	-1084	<input type="checkbox"/>				
CBRL	7598	-1140	<input type="checkbox"/>				
ENCINAL	7640	-1182	<input type="checkbox"/>			TD 30' below T/ENCN	
TOTAL DEPTH DK	7670	-1212	<input type="checkbox"/>			6-1/4" hole. 4-1/2", 10.6/11.6 ppf, J-55 STC/LTC casing. Cement with 589 cu ft. Circulate cement a minimum of 100' inside the previous casing string.	
Reference Wells:							
Reference Type	Well Name		Comments				
Production	Grambling C 1M		NW 14-30N-10W				

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

GRAMBLING C 1F

DEVELOPMENT

Logging Program:

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

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

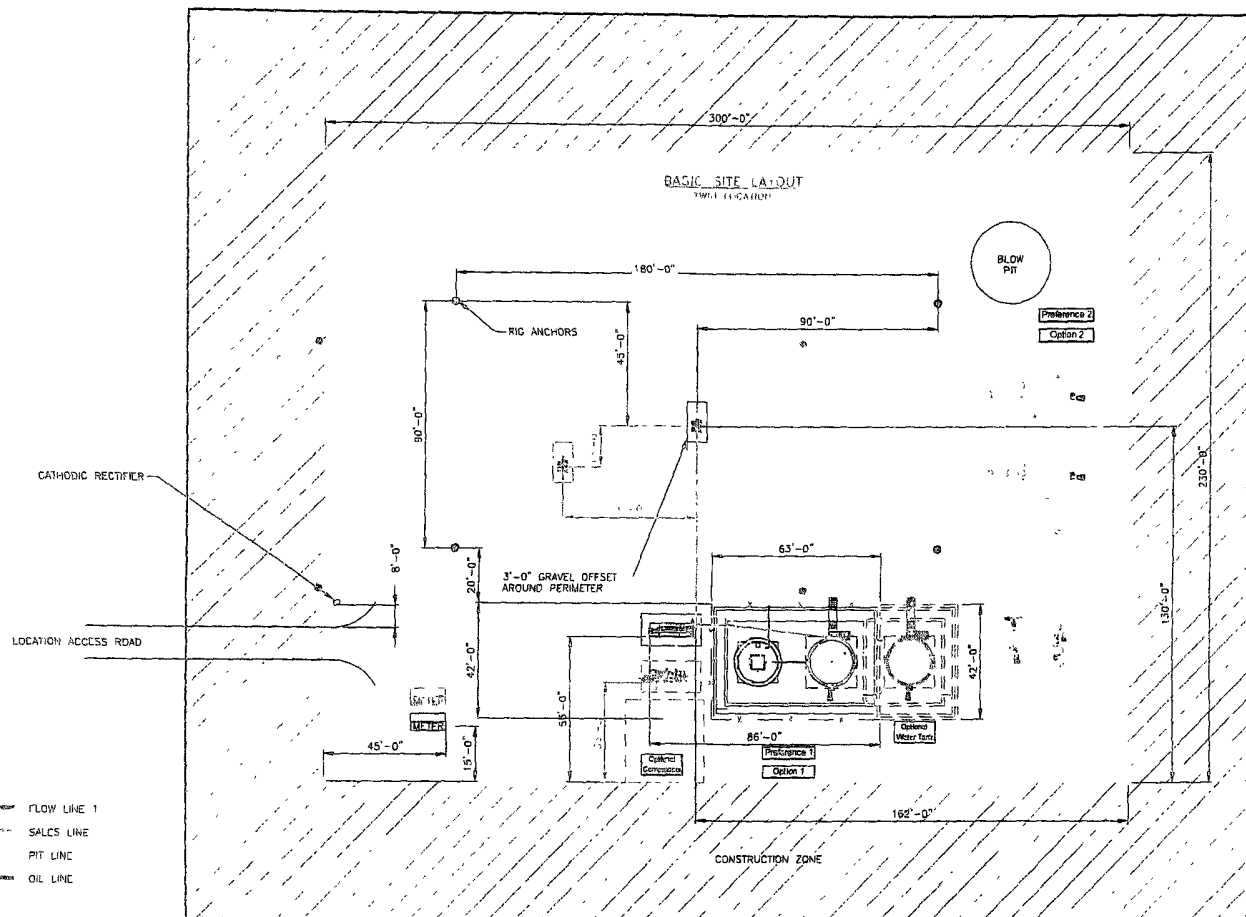
GR_CBL, MUDLOG 100' above GRHN to TD

Additional Information:

Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks
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Comments: Location/Tops/Logging - DKNM030N010W14NW2 Avoid E, twin either Grambling C 2A (MV) or Grambling C 6 (PC), else prefer C,F,D.
MUDLOG 100' above GRHN to TD


Zones - DKNM030N010W14NW2



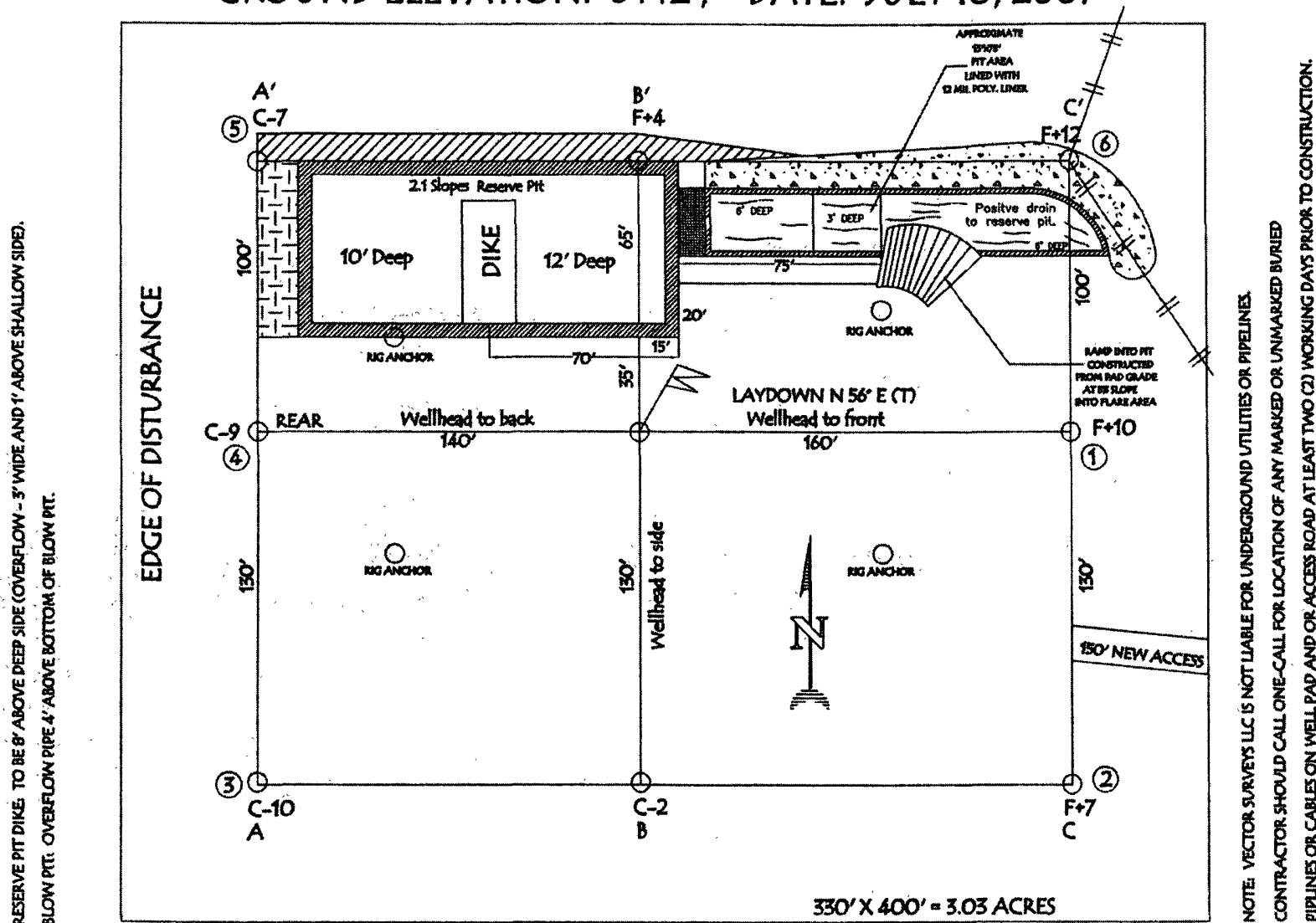
FLOW LINE 1
 SALCS LINE
 PIT LINE
 OIL LINE

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

SHEET 1 OF 5

										ENGINEERING REVIEW			REFERENCE DRAWINGS				CONOCOPHILLIPS HIGH PRESSURE 3 PHASE FACILITY DIAGRAM- SITE LAYOUT					
										DISCIPLINE	REVISION	DATE	NO.	DESCRIPTION								
										PROCESS						SAN JUAN BUSINESS UNIT			CLIENT No.	CLIENT APPR.	APPRO. DATE	
										MECHANICAL									ORIGIN BY	SCALE: NONE		
										PIPING												
										ELECTRICAL												
										I & C												
										CIVIL/STRUCTURAL												
										PROJECT												SHEET No
																						1 of 9

BURLINGTON RESOURCES OIL & GAS COMPANY LP
GRAMBLING C 1F, 1310' FNL & 1600' FWL
SECTION 14, T-30-N, R-10-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 6442', DATE: JULY 10, 2007

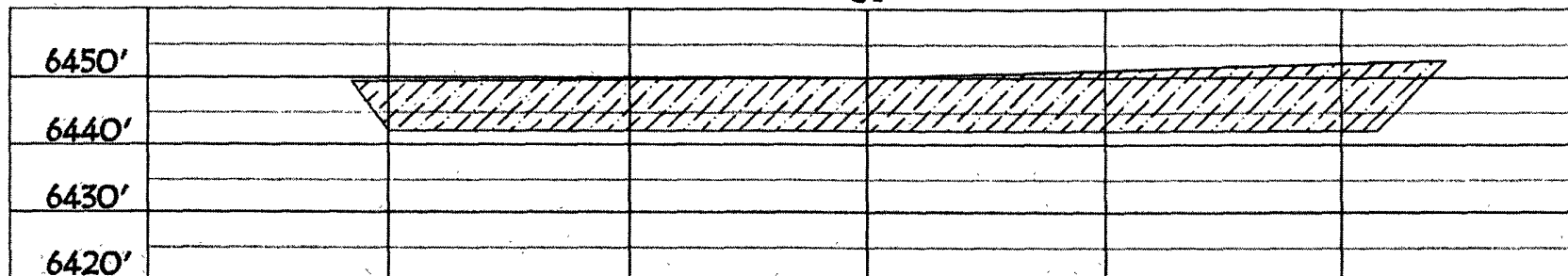


LAT: 36° 48.9275' N LONG: 107° 51.4022' W NAD27

BURLINGTON RESOURCES OIL & GAS COMPANY LP
GRAMBLING C1F, 1310' FNL & 1600' FWL
SECTION 14, T-30-N, R-10-W, NMPM, SAN JUAN COUNTY, NM
GROUND ELEVATION: 6442', DATE: JULY 10, 2007

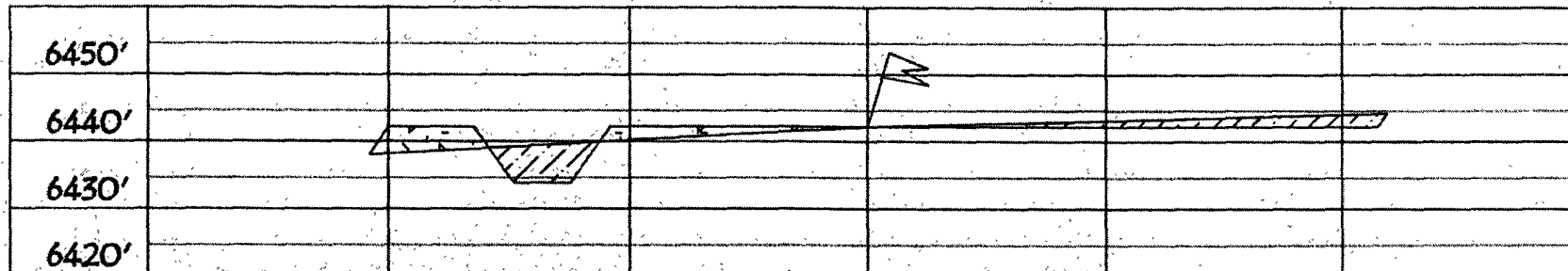
ELEV. A'-A

C/L



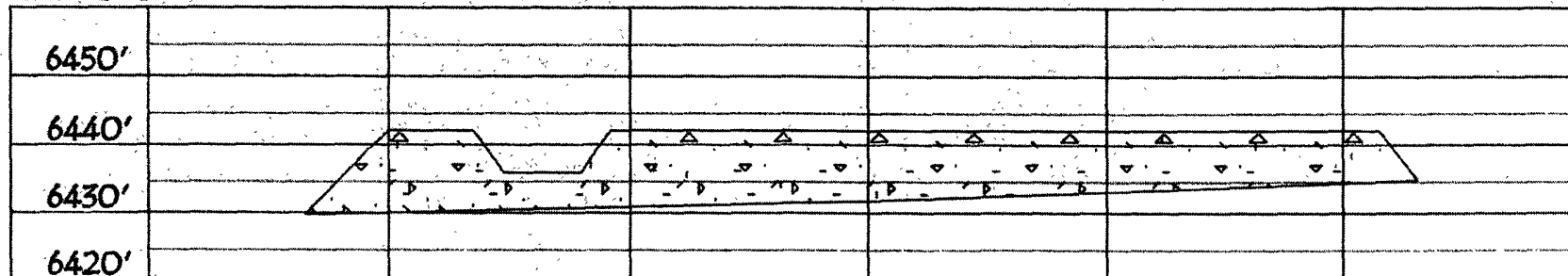
ELEV. B'-B

C/L



ELEV. C'-C

C/L



NOTE: VECTOR SURVEYS LLC 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.