

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	RECEIVED OCT 30 2007 Bureau of Land Management Farmington Field Office	5. Lease Number SF-078640 Unit Reporting Number
1b. Type of Well GAS		6. If Indian, All. or Tribe RCVD FEB 14 '08
2. Operator ConocoPhillips	7. Unit Agreement Name OIL CONS. DIV. San Juan 28-7 Unit DIST. 3	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name	9. Well Number #151E
4. Location of Well Unit P (NWE) 905' FSL & 895' FEL, SESE Latitude 36.553987 N Longitude 107.574611 W	10. Field, Pool, Wildcat Blanco MV/Basin DK	11. Sec., Twn, Rge, Mer. (NMPM) p Sec. 21, T27N, R7W API # 30-039- 30415
14. Distance in Miles from Nearest Town 26 miles/Blanco	12. County Rio Arriba	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 895'	17. Acres Assigned to Well 320 (E/2)	
16. Acres in Lease 2560.000	20. Rotary or Cable Tools Rotary	
18. Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 52' from San Juan 28-7 174	22. Approx. Date Work will Start	
19. Proposed Depth 7515'	23. Proposed Casing and Cementing Program See Operations Plan attached	
21. Elevations (DF, FT, GR, Etc.) 6548' GL	24. Authorized by: <u>Sasha Spangler</u> Sasha Spangler (Regulatory Technician)	
		10-30-07 Date

PERMIT NO.

APPROVAL DATE

APPROVED BY: [Signature]

TITLE

DATE

2/13/08

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 3
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS". FEB 18 2008

Bond Numbers ES-0048 and ES-0085

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



H₂S POTENTIAL EXISTS

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

RECEIVED

OCT 30 2007

District I
1635 N. French Dr., Hobbs, NM 88240
District II
1501 W. Grand Avenue, Arco, NM 88210
District III
1000 Rio Arriba Rd., Aztec, NM 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

Bureau of Land Management
Farmington Field Office
Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 7 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-30415		² Pool Code 72319/71599		³ Pool Name Basin Blanco MESAVERDE/DANOTA	
⁴ Property Code 7463-31739		⁵ Property Name SAN JUAN 28-7 UNIT			⁶ Well Number 151E
⁷ OGRD No. 217817		⁸ Operator Name CONOCOPhillips COMPANY			⁹ Elevation 8548

10 SURFACE LOCATION									
U.L. or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
P	21	27-N	7-W		665	SOUTH	665	EAST	RIO ARRIBA

11 Bottom Hole Location if Different From Surface									
U.L. or lot no.	Section	Township	Range	Lot No.	Feet from the	North/South line	Feet from the	East/West line	County
P									

¹² Dedicated Acreage 320 E/2	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

E/2 DEDICATED ACREAGE SF-078640 SECTION 21, 7-27-N, R-7-W				7 OPERATOR CERTIFICATION I hereby certify that the information on which this plat is based is true and correct to the best of my knowledge and belief, and that I am not aware of any other person or persons who are entitled to be included in this plat but who are not included herein. I am not aware of any other person or persons who are entitled to be included in this plat but who are not included herein. I am not aware of any other person or persons who are entitled to be included in this plat but who are not included herein. Sasha Spangler Signature Sasha Spangler Printed Name Regulatory Tech. Title and E-mail Address 10-01-07 Date	
				8 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was obtained from field notes of actual surveys made by me or under my supervision, and that the notes in fact and correct in the best of my belief. Date of Survey: 8/22/07 Signature and Seal of Professional Surveyor:	
WELL FLAG NAD 83 LAT: 34.553887° N LONG: 107.974811° W NAD 27 LAT: 34.553887° N LONG: 107.974811° W				11208 10/2/07 PROFESSIONAL SURVEYOR	
S 29°41'00" W 8284.5' (A) N 85°03'11" E 3263.0' (M)				Certificate Number: 11208	

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.

30-039- 30415

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-078640

7. Lease Name or Unit Agreement Name

San Juan 28-7 Unit

8. Well Number

#151E

9. OGRID Number

217817

10. Pool name or Wildcat

Blanco Mesaverde/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

ConocoPhillips Company

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter P : 905' feet from the South line and 895' feet from the East line
Section 21 Township 28N Rng 7W NMPM County Rio Arriba

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

6548'GL

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 ☐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:

ConocoPhillips proposes to construct a new drilling pit, an associated vent/flare pit and a pre-set mud pit (if required). Based on ConocoPhillips' interpretation of the Ecosphere's risk ranking criteria, the new drilling pit and pre-set mud pit will be lined pits as detailed in ConocoPhillips' General Plan dated June 2005 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. ConocoPhillips anticipates closing these pits according to the November 1, 2004 Guidelines.

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 10/30/2007Type or print name
For State Use Only

Sasha Spangler

E-mail address: spangsa@conocophillips.com Telephone No. 505-326-9568Deputy Oil & Gas Inspector,
District #3

APPROVED BY

TITLE

DATE FEB 18 2008

Conditions of Approval (if any):

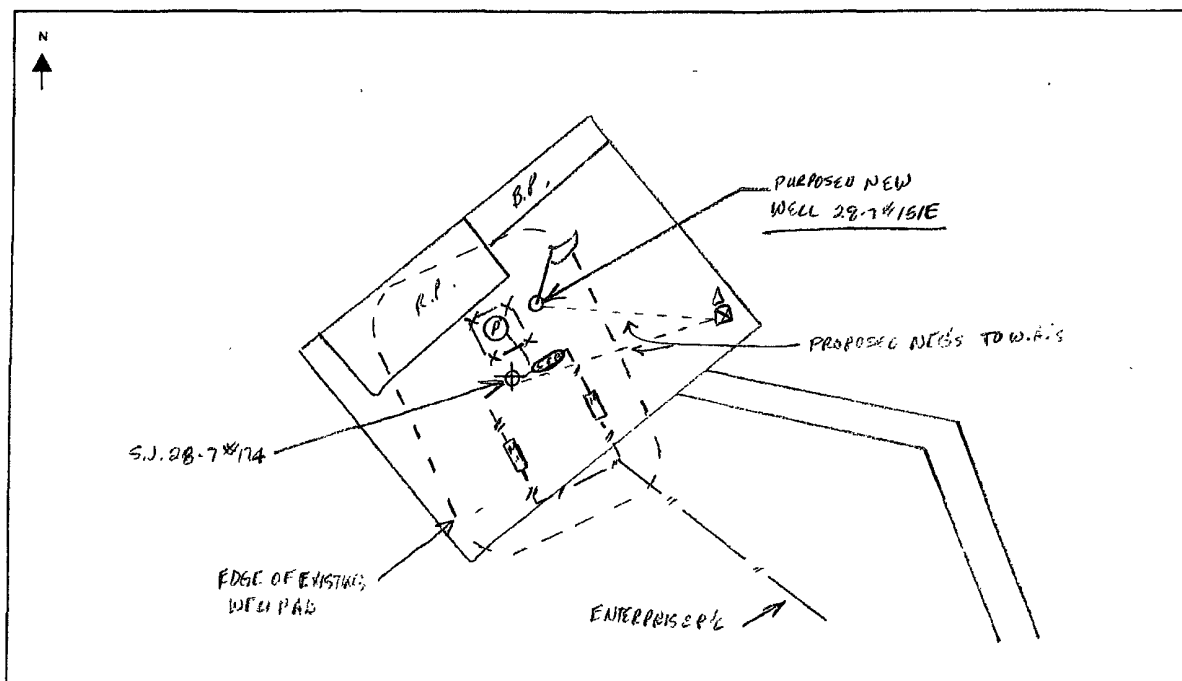


TECHNICAL SERVICES
A CORROSION COMPANY

CATHODIC PROTECTION PLAN FOR NEW WELLS

WELL NAME S.J. 28-7 #151E LEGALS P-21-27-7 COUNTY R.A.

PURPOSED C.P. SYSYTEM: DRILL G.B. & SET 12V-6A SOLAR @ EAST CORNER OF LOC.
TRENCH @ 900' #8 NEG FROM SOLAR TO W.H. ALSO TIE IN EXISTING WELL #174 TO SOLAR @
200' #8 NEG.



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

COMMENTS: _____

NEAREST POWER SOURCE N/A. DISTANCE: _____

PIPELINES IN AREA: 1- ENTERPRISE.

TECHNICIAN: [Signature] DATE: 10/27/07

6 CR 5412 BLOOMFIELD, N.M. 87413
OFFICE: 505-634-0271 CELL: 505-793-6953

[Handwritten signature]

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 151E

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7001		AFE \$:	
Field Name: 28-7		Rig: H&P Rig 282		State: NM	County: RIO ARRIBA
Geologist:		Phone:		Geophysicist:	
Geoscientist: Riley, Brook		Phone: +1 505-324-6108		Prod. Engineer:	
Res. Engineer: McKee, Cory J		Phone: 505-326-9826		Proj. Field Lead:	
Primary Objective (Zones):					
Zone	Zone Name				
FRR	BASIN DAKOTA (PRORATED GAS)				
RON	BLANCO MESAVERDE (PRORATED GAS)				
Location: Surface					
Datum Code: NAD 27		Straight Hole			
Latitude: 36.553978	Longitude: -107.574004	X:	Y:	Section: 21	Range: 007W
Footage X: 895 FEL	Footage Y: 905 FSL	Elevation: 6548	(FT)	Township: 027N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2008		Completion Date:	
Formation Data: Assume KB = 6564		Units = FT		Date In Operation:	
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
Surface Casing	200	6364	☐		
OJAM	2160	4404	☐		
KRLD	2315	4249	☐		
FRLD	2575	3989	☐		
PCCF	2970	3594	☐		
LEWS	3130	3434	☐		
CHRA	3889	2675	☐		
CLFH	4670	1894	☐	0	
MENF	4720	1844	☐		
Intermediate Casing	4870	1694	☐		
PTLK	5229	1335	☐		
MNCS	5590	974	☐		
GLLP	6379	185	☐		
GRHN	7153	-589	☐		
TWLS	7259	-695	☐	1300	
CBBO	7372	-808	☐		
ENCINAL	7475	-911	☐		
Total Depth	7515	-951	☐		
Remarks					
Severe lost circulation is possible. 12-1/4" hole. 9-5/8", 36 ppf, J-55, STC casing. Cement with 159 cubic ft. Circulate cement to surface.					
Possible water flows					
Possible gas					
Gas; possibly wet MAP SHOWS 0 Pressure.					
Gas					
8-3/4" hole. 7", 20/23 ppf, J-55, STC/LTC casing. Cement with 1097 cubic ft. Circulate cement to surface.					
Gas					
Gas possible, highly fractured					
Gas					
Gas					
TD 40' below T/ENCN					
6-1/4" hole. 4-1/2", 10.5/11.6 ppf, J-55, STC/LTC casing. Cement with 364 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.					
Reference Wells:					
Reference Type	Well Name		Comments		
Production	SJ 28-7 #155		SW 22-27N-7W		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 28-7 UNIT 151E

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, Mudlogger 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 - MVNM027N007W21SE1 DK 27N07W21SE1 Twin #174 Chacra well at 870S & 930E else prefer P,O,J,I - limiting topo - all in ACEC. MAP SHOWS 0 Pressure for the MV. Mudlogger 100' above GRHN to TD

Zones - Conoco does not own the Kmv rights. Contact Burlington. MVNM027N007W21SE1 DK 27N07W21SE1

General/Work Description - 8/9/07 - Project moved from 2009 to 2008 per J. Carrillo - LM

6/4 AFE NEEDS TEAM/PARTNER/APD APPROVALS. *Conoco does not own Kmv rights. Contact Burlington.

3/7/07 name changed from 152F per land (wfp)

8/15/07 Well misnamed and changed from 152M to 151E. 152 is a west half designation, 151 is an east half designation. Not sure if sundry is needed. BCD

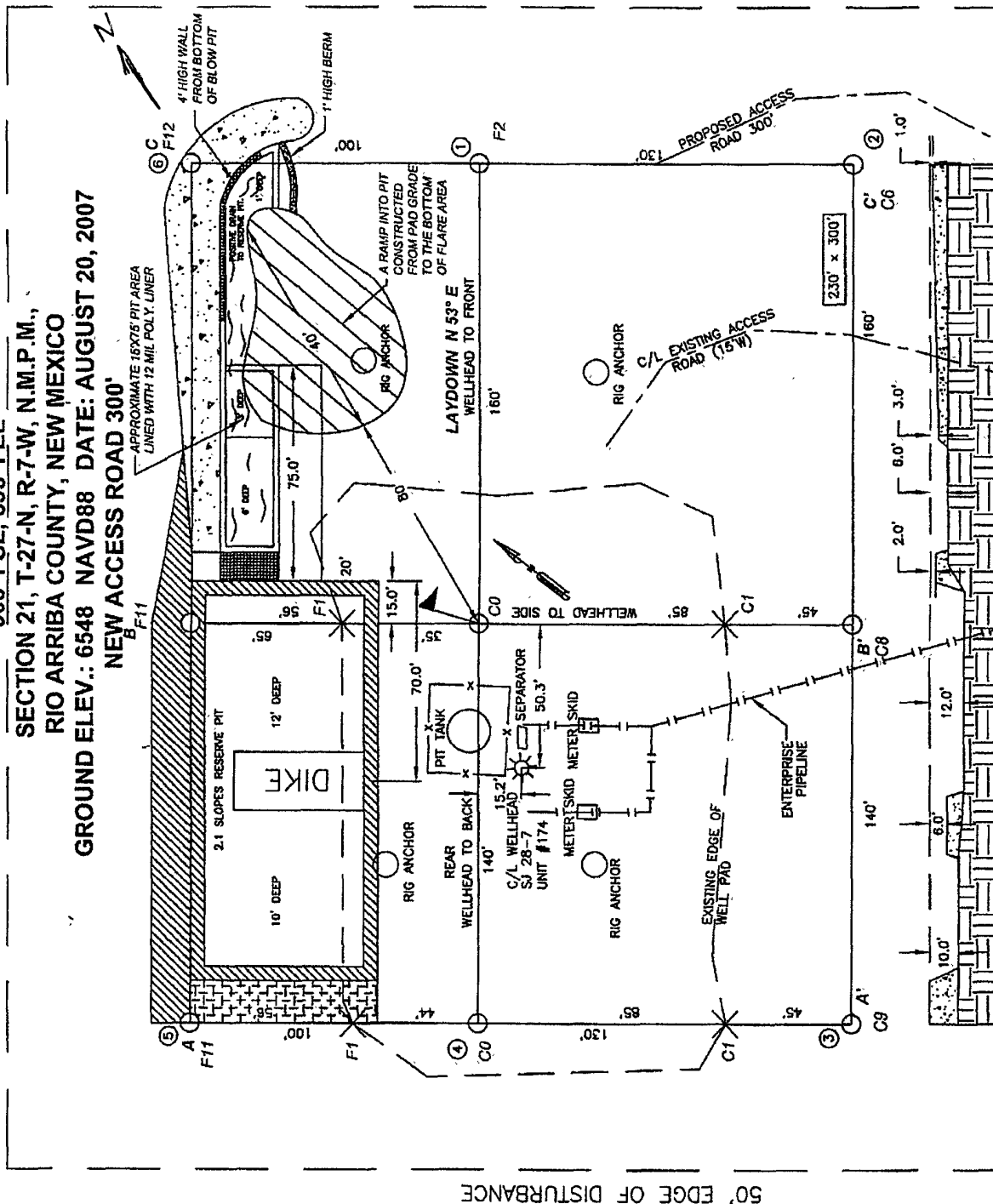
SAN JUAN 28-7 UNIT #151E

905' FSL, 895' FEL

**SECTION 21, T-27-N, R-7-W, N.M.P.M.,
RIO ARriba COUNTY, NEW MEXICO**

GROUND ELEV.: 6548 NAVD88 DATE: AUGUST 20, 2007

NEW ACCESS ROAD 300'



CHENAULT CONSULTING INC.
P.O. BOX 328
BLOOMFIELD, NM, 87413
PHONE: (505) 325-7707

PIT CROSS SECTION

NAD 83 LAT.: 36.553987°N / LONG.: 107.574611°W /

$$330' \times 400' = 3.03 \text{ ACRES}$$

NOTES:

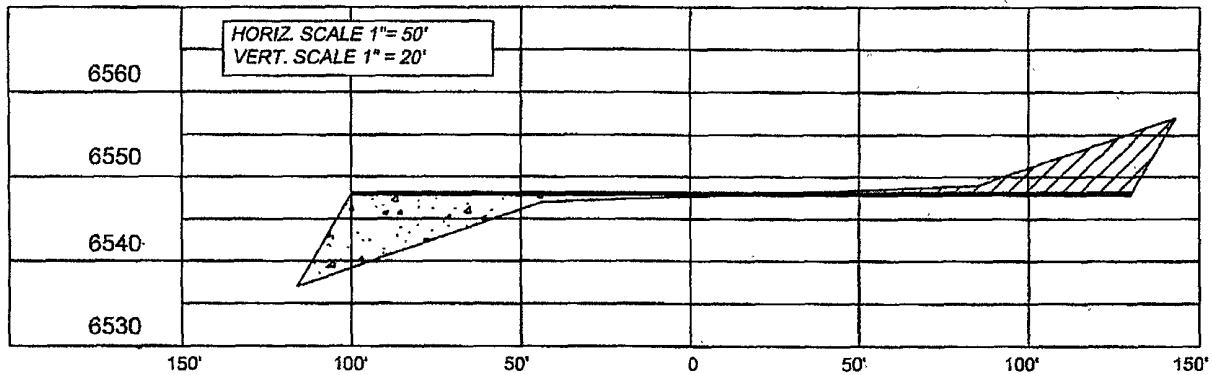
1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES.
CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED
PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST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

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONOCOPHILLIPS COMPANY
SAN JUAN 28-7 UNIT #151E
 905' FSL, 895' FEL
 SECTION 21, T-27-N, R-7-W, N.M.P.M.,
 RIO ARriba COUNTY, NEW MEXICO
 ELEV.: 6548 NAVD88

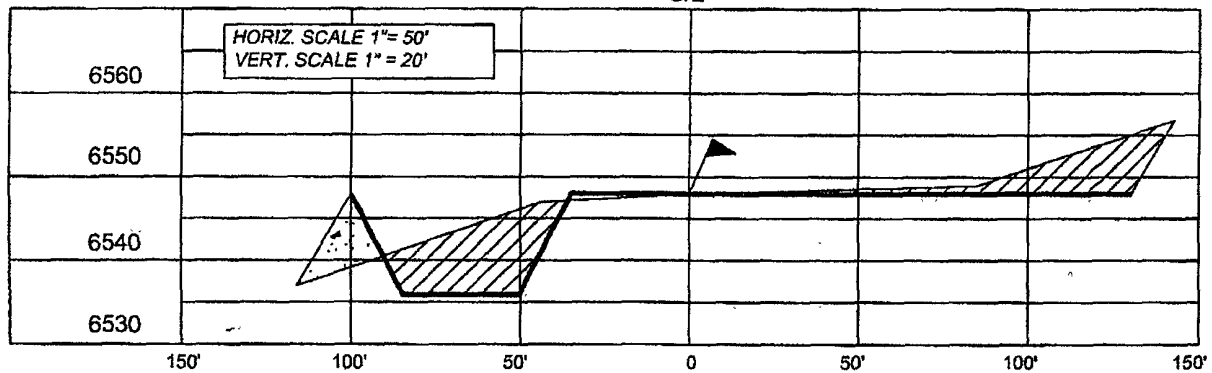
A - A'

C/L



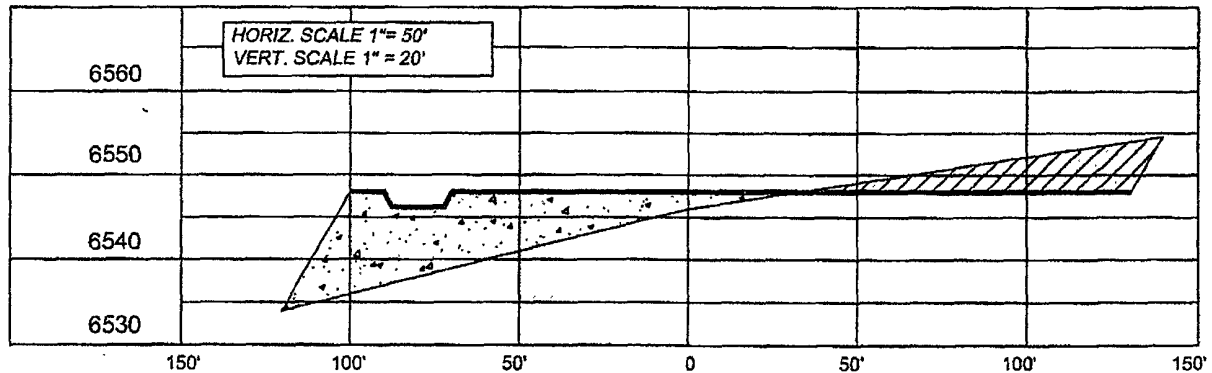
B - B'

C/L



C - C'

C/L



NOTE: CCI 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 PRIOR TO CONSTRUCTION.

REVISIONS			
NO.	DESCRIPTION	REVISED BY	DATE
1	ISSUED FOR REVIEW	L.H.	8/22/07
2	ACCESS / NAME CHANGE	TJR	8/20/07

CCI

P.O. BOX 328
 BLOOMFIELD, NM, 87413
 PHONE: (505) 325-7707

CHENAULT CONSULTING INC.