

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 NM-03402 Unit Reporting Number
1b.	Type of Well GAS	6. If Indian, All. or Tribe RCVD MAY 16 '08
2.	Operator ConocoPhillips	7. Unit Agreement Name OIL CONS. DIV. San Juan 32-8 Unit DIST. 3
3.	Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	8. Farm or Lease Name
4.	Location of Well F Surface: Unit F (SWSW), 1570' N & 1646' W , BH: Unit K (NESW), 2200' FSL & 2200' FWL Surface: Latitude 36.89244694 N Longitude: 107.667749 W BH-Latitude 36.8960422 N Longitude: 107.6642869 W	9. Well Number #16B 10. Field, Pool, Wildcat Blanco MV 11. Sec., Twn, Rge, Mer. (NMPM) F Sec. 15, T31N, R8W API # 30-045- 34506
14.	Distance in Miles from Nearest Town 24' miles/Blanco	12. County San Juan 13. State NM
15.	Distance from Proposed Location to Nearest Property or Lease Line 2200'	
16.	Acres in Lease 1720-000 840	17. Acres Assigned to Well 320 (W/2)
18.	Distance from Proposed Location to Nearest Well, Drlg, Compl, or Applied for on this Lease 183' SJ 32-8 225 FC	
19.	Proposed Depth 6055' 6567'	20. Rotary or Cable Tools Rotary
21.	Elevations (DF, FT, GR, Etc.) 6458' GL	22. Approx. Date Work will Start
23.	Proposed Casing and Cementing Program See Operations Plan attached	Hold C104 for Directional Survey and "As Drilled" plat
24.	Authorized by: Sasha Spangler Sasha Spangler (Regulatory Technician)	11-09-07 Date

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY *[Signature]* TITLE AFM DATE 5/19/08

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

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

NMOCDB

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

H₂S POTENTIAL EXIST

MAY 20 2008

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED

MAY 05 2008

Bureau of Land Management
Farmington Field Office

Sundry Notices and Reports on Wells

- | | |
|---|---|
| <p>GAS</p> <p>2. Name of Operator
ConocoPhillips</p> <p>3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700</p> <p>4. Location of Well, Footage, Sec., T, R, M

Unit M (SWSW), 877' FSL & 1232' FWL, Section 15, T31N, R8W, NMPM
Unit K (NESW), 2200' FSL & 2200' FWL, Section 15, T31N, R8W, NMPM</p> | <p>5. Lease Number
SF-079004
Tribe Name</p> <p>7. Unit Agreement Name

San Juan 32-8 Unit</p> <p>8. Well Name & Number

San Juan 32-8 Unit #16B</p> <p>9. API Well No.
30-045-34506</p> <p>10. Field and Pool
Blanco MV</p> <p>11. County and State
San Juan, Co., NM</p> |
|---|---|

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

Type of Submission	Type of Action	
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection

☒ Other - Change Surface Footages

13. Describe Proposed or Completed Operations

ConocoPhillips would like to change the footages of the surface location as per the request from the BLM to move location out of the AC/EC FROM UNIT M (SWSW) 877' FSL & 1232' FWL TO UNIT F (SENW) 1570' FNL & 1645' FWL. Please see the attached revised plat, maps, directional drill plans, project proposal, pipeline plat, Cathodic protection plat, pit sundry & surface use plan..

BHL is w/in the MV PA

RCVD MAY 16 '08

OIL CONS. DIV.
DIST. 3**14. I hereby certify that the foregoing is true and correct.**

Signed Sasha Spangler Sasha Spangler Title Regulatory Technician Date 05/02/08

(This space for Federal or State Office use)

APPROVED BY [Signature] Title AEM Date 5/14/08

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

NMOCD

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

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

RECEIVED
 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 30-045- 34506		² Pool Code 72319		³ Pool Name Blanco MESAVERDE	
⁴ Property Code 31330		⁵ Property Name SAN JUAN 32-8 UNIT			⁶ Well Number 16B
⁷ OGRID No. 217817		⁸ Operator Name CONOCOPHILLIPS COMPANY			⁹ Elevation 6458

¹⁰ SURFACE LOCATION

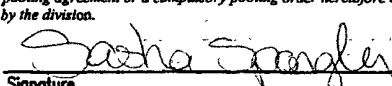
UL or lot no. F	Section 15	Township 31-N	Range 8-W	Lot Idn	Feet from the 1570	North/South line NORTH	Feet from the 1645	East/West line WEST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. K	Section 15	Township 31-N	Range 8-W	Lot Idn	Feet from the 2200	North/South line SOUTH	Feet from the 2200	East/West line WEST	County SAN JUAN
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¹² Dedicated Acres 320	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 N 89°21'48" E S 89°28'00" W 5201.0' (N) 5152.0' (R)		2563.1' (M) 2563.1' (R)	WELL FLAG NAD 83 LAT: 36.900002° N LONG: 107.665963° W NAD 27 LAT: 36°53.999864' N LONG: 107°39.920996' W	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 working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.  Signature Sasha Spangler Printed Name Regulatory Technician Title and E-mail Address 05-02-08 Date
1645' NW/4 DEDICATED ACREAGE SF-079004		2200' SW/4 DEDICATED ACREAGE NM-03402 SECTION 15, T-31-N, R-8-W		
S 2°08'17" W N 2°16'00" E S 89°23'00" W N 89°15'17" E		2200'	5237.1' (R) 5237.0' (M)	

May 27, 2004

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

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045-34500

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

SF-079004

7. Lease Name or Unit Agreement Name

San Juan 32-8 Unit

8. Well Number

#16B

9. OGRID Number

217817

10. Pool name or Wildcat

Blanco Mesaverde

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

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter F : 1570' feet from the North line and 1645' feet from the West line
 Section 15 Township 31N Rng 8W NMPM County San Juan

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

6567' GR

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

4400

bbls;

Construction Material

Synthetic

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

☐☐☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPNS.

CASING/CEMENT JOB

☐☐☐

ALTERING CASING

P AND A

☐☐☐

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:

ConocoPhillips proposes to construct a new drilling pit and an associated vent/flare pit. Based on Burlington's interpretation of the Ecosphere's risk ranking criteria, the new drilling pit will be a lined pit 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

Crystal Walker

TITLE

Regulatory Technician

DATE

3/26/2008

Type or print name

Crystal Walker

E-mail address:

crystal.walker@conocophillips.com

Telephone No.

505-326-9837

For State Use Only

APPROVED BY

[Signature]

TITLE

Deputy Oil & Gas Inspector,
District #3

DATE

MAY 20 2008

Conditions of Approval (if any):

ConocoPhillips or its affiliates Planning Report

Database: EDM Central Planning
Company: ConocoPhillips SJBU
Project: San Juan Basin - New Mexico Wells
Site: Directional Wells
Well: SJ 32-8 #16B
Wellbore: SJ 32-8 #16B
Design: planned

Local Co-ordinate Reference: Well SJ 32-8 #16B
TVD Reference: WELL @ 6582.0ft (Generic Rig RKB)
MD Reference: WELL @ 6582.0ft (Generic Rig RKB)
North Reference: True
Survey Calculation Method: Minimum Curvature

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (m)	Easting (m)	Latitude	Longitude
- hit/miss target									
- Shape									
SJ 32-8 16B - ICP	0 00	0 00	4,500 0	-1,415 2	499 7	653,947 28	167,524.53	36° 53' 45.997 N	107° 39' 49.108 W
- plan hits target									
- Point									
SJ 32-8 16B - PCP	0 00	0 00	6,112 0	-1,415 2	499.7	653,947 28	167,524 54	36° 53' 45.997 N	107° 39' 49.108 W
- plan hits target									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
215.0	215 0	9 5/8"	9.625	12 250	
4,798 1	4,500 0	7"	7.000	8.750	
6,410 1	6,112 0	4 1/2"	4 500	6.250	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
863.2	857.0	Nacimiento		0.00	
2,384.3	2,252 0	Ojo Alamo		0.00	
2,472 0	2,332 0	Kirtland		0.00	
3,168 6	2,967.0	Fruitland		0.00	
3,692 9	3,445 0	Pictured Cliffs		0.00	
3,931.0	3,662 0	Lewis		0.00	
4,513 0	4,216.0	Huerfano Bentonite		0.00	
4,905 1	4,607.0	Chacra		0.00	
5,346.1	5,048.0	Upper Cliff House		0.00	
5,666.1	5,368.0	Cliff House		0.00	
5,736.1	5,438 0	Menefee		0.00	
6,060.1	5,762.0	Point Lookout		0.00	

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 16B

DEVELOPMENT

Lease:		AFE #: WAN.CNV.7118		AFE \$: 936,917.79	
Field Name: 32-8		Rig: Aztec Rig 711		State: NM	County: SAN JUAN
Geologist:		Phone:		Geophysicist:	
Geoscientist: Brain, Ted H.		Phone: 832-486-2592		Prod. Engineer:	
Res. Engineer: Prabowo, Wahyu		Phone: 505-326-9797		Proj. Field Lead: Fransen, Eric E.	
Primary Objective (Zones):					
Zone	Zone Name				
R20002	MESAVERDE(R20002)				
Location: Surface					
Datum Code: NAD 27		Deviated			
Latitude: 36.899998	Longitude: -107.665350	X:	Y:	Section: 15	Range: 008W
Footage X: 1645 FWL	Footage Y: 1570 FNL	Elevation: 6567	(FT)	Township: 031N	
Tolerance:					
Location: Bottom Hole					
Datum Code: NAD 27		Deviated			
Latitude: 36.896111	Longitude: -107.663641	X:	Y:	Section: 15	Range: 008W
Footage X: 2200 FWL	Footage Y: 2200 FSL	Elevation:	(FT)	Township: 031N	
Tolerance:					
Location Type: Restricted		Start Date (Est.): 1/1/2009		Completion Date:	
				Date In Operation:	
Formation Data: Assume KB = 6582 Units = FT					
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT
SURFACE CSG	215	6367	<input type="checkbox"/>		
NCMT	857	5725	<input type="checkbox"/>		
OJAM	2252	4330	<input type="checkbox"/>		Possible water flows.
KRLD	2332	4250	<input type="checkbox"/>		
FRLD	2967	3615	<input type="checkbox"/>		Possible gas.
PCCF	3445	3137	<input type="checkbox"/>		
LEWS	3662	2920	<input type="checkbox"/>		
HUERFANITO BENTONITE	4216	2366	<input type="checkbox"/>		
Intermediate Casing	4500	2082	<input type="checkbox"/>		8-3/4" hole. 7", 23 ppf, L-80, LTC casing. Cement with 1080 cubic ft. Circulate cement to surface
CHRA	4607	1975	<input type="checkbox"/>		
UPPER CLIFF HOUSE	5048	1534	<input type="checkbox"/>		
CLFH	5368	1214	<input type="checkbox"/>		Gas; possibly wet
MENF	5438	1144	<input type="checkbox"/>		Gas.
PTLK	5762	820	<input type="checkbox"/>		Gas.
Total Depth	6112	470	<input type="checkbox"/>		6-1/4" hole. 4-1/2" 11.6 ppf, L-80 LTC casing. Cement with 227 cubic ft. Circulate cement a minimum of 100' inside the previous casing string.
Reference Wells:					
Reference Type	Well Name		Comments		

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

SAN JUAN 32-8 UNIT 16B

DEVELOPMENT

Logging Program:		
Intermediate Logs:	<input type="checkbox"/> Log only if show	<input type="checkbox"/> GR/ILD <input type="checkbox"/> Triple Combo

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:					
Log Type	Stage	From (Ft)	To (Ft)	Tool Type/Name	Remarks

Comments: Location/Tops/Logging - MVNM031N008W15SW2

Zones - MVNM031N008W15SW2

General/Work Description - Include Lewis 4/30/08 EML
Directional Well

COMPANY

BURLINGTON

Charge Code

WAN.RFE.PDR5.G2

WELL NAME

SAN JUAN 32 - 8 # 16 B

DATE

1/4/2008

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC TNSHP RANGE

NE 15

31 N

8 W

LATITUDE

36.900002 N

LONGITUDE

107.665963 W

COUNTY

SAN JUAN

RECTIFIER

SIZE

40/16

NEEDED

x

EXISTING

1 PHASE

3 PHASE

SOLAR

GROUND BED

x

240 V METER POLE

480 V METER POLE

D C CABLES

8

300 ft

A C CABLES

8

350 ft

PRIMARY POWER

1 phase

DISTANCE TO POWER

1/2 mile

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

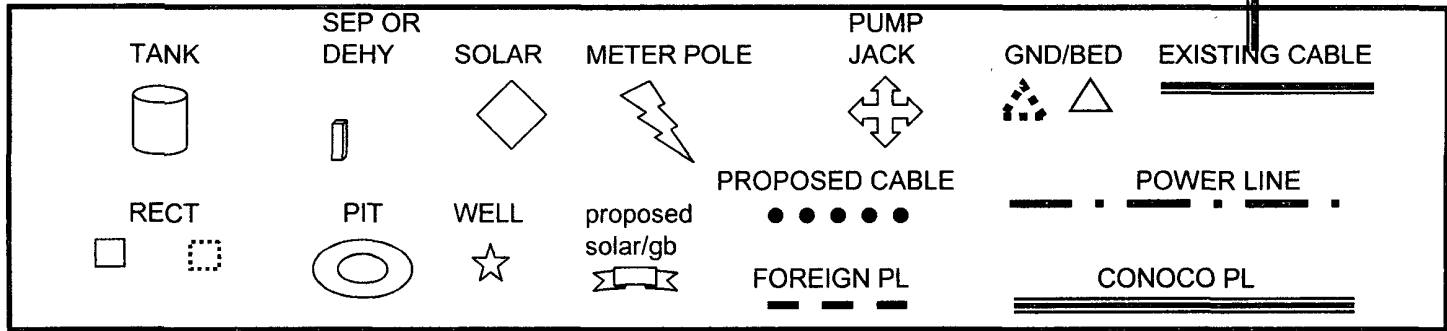
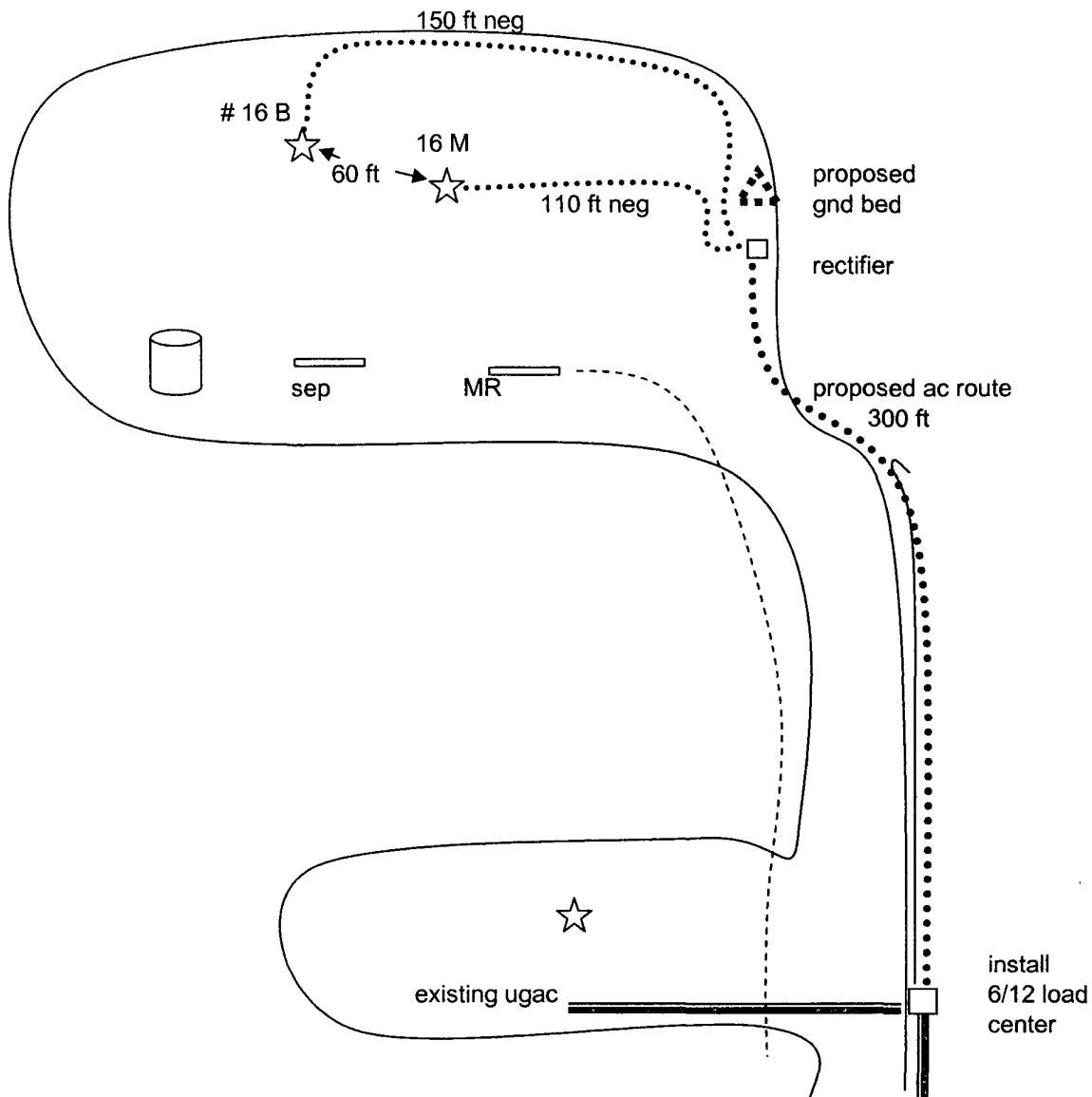
SAMS

TANKS

COMMENTS

Install 6/12 load center at well # 225 A - plow 300 ft cable to new loc --- install
new rectifier and gnd bed - neg cables for both wells

WELL NAME	32-8 # 16 M	32-8 # 16 B
-----------	-------------	-------------



NEW ACCESS 298.4'

B
E6

⑥ C
F

- 1' HIGH BERM

A RAMP INTO PIT
CONSTRUCTED
FROM PAD GRADE
TO THE BOTTOM
OF FLARE AREA

LAYDOWN S 14° W
WELLHEAD TO FRONT

REAR
WELLHEAD TO BACK

50' EDGE OF DISTURBANCE'

NEW ACCESS
ROAD 298.4'

RIG ANCHOR

RIG ANCHOR

C8

230' x 300'

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

CHENAULT CONSULTING INC.

PIT CROSS SECTION

NAD 83 LAT.: 36.900002°N / LONG.: 107.665963°W

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 PIPELINES OR CABLES ON WELLPAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR

CONOCOPHILLIPS COMPANY

SAN JUAN 32-8 UNIT 16B

1570' FNL, 1645' FWL

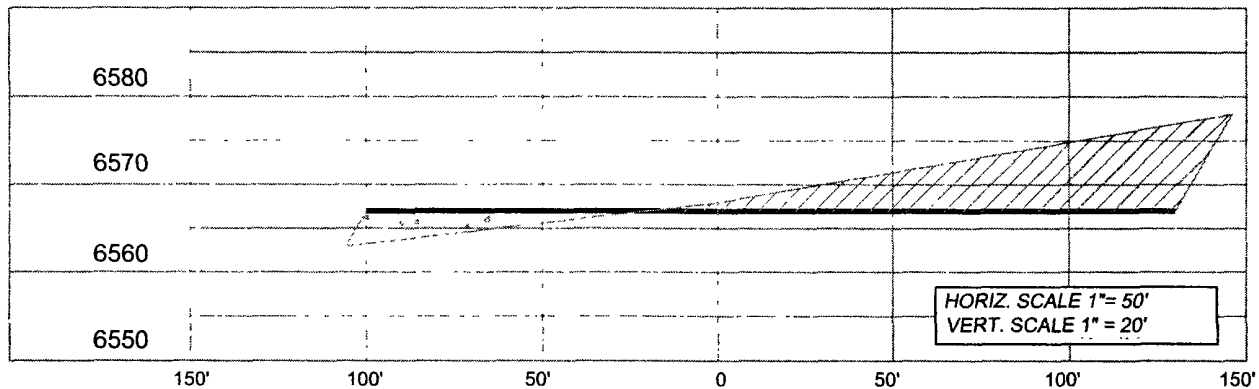
SECTION 15, T-31-N, R-8-W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

ELEV.: 6567 NAVD88

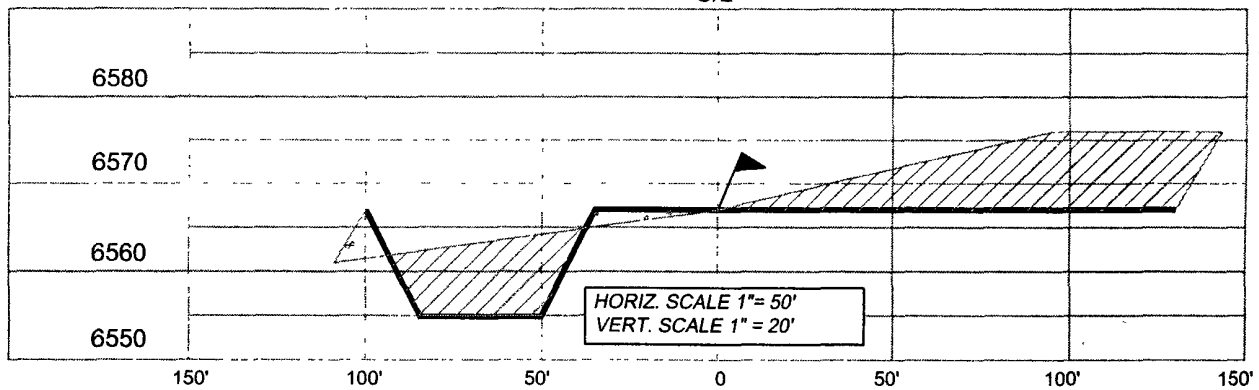
A - A'

C/L



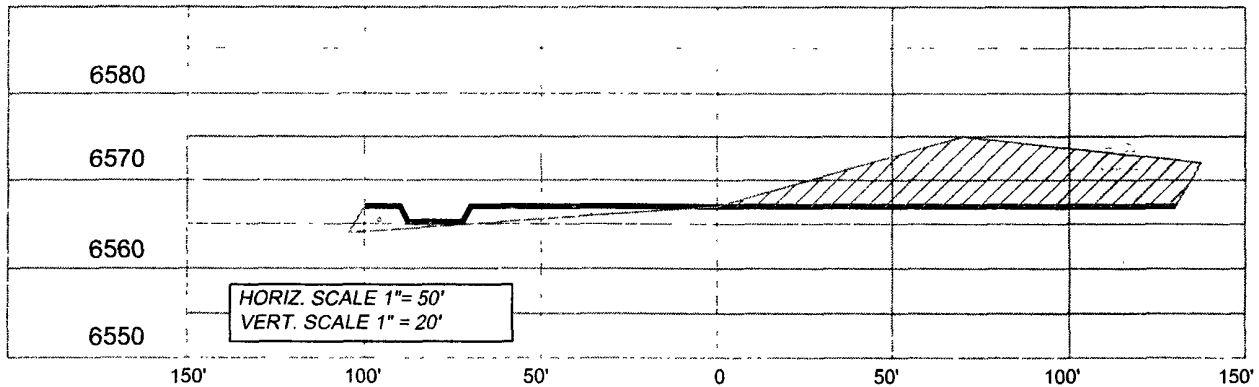
B - B'

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	ISSUE FOR REVIEW	LH	12/18/07

CCI

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

CHENAULT CONSULTING INC.