

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAY 14 2008

Bureau of Land Management
Farmington Field Office

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL	5. Lease Number SF-078097 Unit Reporting Number	
1b. Type of Well GAS	6. If Indian, All. or Tribe	
RCVD JUN 3 '08		
2. Operator ConocoPhillips	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 Heaton Com LS 8 9. Well Number #100	
4. Location of Well Unit J (NWSE), 2075' FSL & 1636' FEL, Latitude 36.868526° N Longitude 108.028191° W	10. Field, Pool, Wildcat Basin Fruitland Coal 11. Sec., Twn, Rge, Mer. (NMPM) J Sec. 30, T31N, R11W API # 30-045-34719	
14. Distance in Miles from Nearest Town 4 miles/Aztec	12. County San Juan	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1636'	17. Acres Assigned to Well 320.00 (E/2)	
16. Acres in Lease 2,475.61		
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 310' from Heaton LS 8A (MV)		
19. Proposed Depth 2548'	20. Rotary or Cable Tools Rotary	
21. Elevations (DF, FT, GR, Etc.) 5863' GR	22. Approx. Date Work will Start	
23. Proposed Casing and Cementing Program See Operations Plan attached		
24. Authorized by: <u>Crystal Tafoya</u> Crystal Tafoya (Regulatory Technician)	<u>5/13/08</u> 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 2

Bond Numbers ES-0048 and ES-0085

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

JUN 16 2008

NMOCD



H₂S POTENTIAL EXIST

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

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

NOTIFY AZTEC OCD 24 HRS.
PRIOR TO CASING & CEMENT

DISTRICT I
1626 N. French Dr., Hobbs, N.M. 88240

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

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

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

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, N.M. 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 30-045-34719		*Pool Code 71629	*Pool Name BASIN FRUITLAND COAL
*Property Code 37213	*Property Name HEATON COM LS 8		*Well Number 100
*OGRID No. 217817	*Operator Name CONOCOPHILLIPS		*Elevation 5863

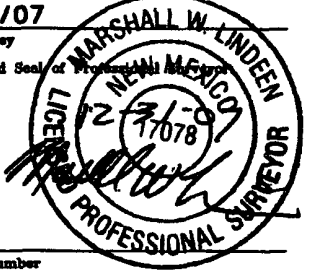
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	30	31 N	11 W		2075	SOUTH	1636	EAST	SAN JUAN

11 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
J									
*Dedicated Acres 320 (E/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

16 S 89°26'51" E 2648.79' LOT 1 N 0°58'30" E 2627.01' LOT 2 2627.01' LOT 3 N 0°07'30" W LOT 4 N 89°21'24" W	2648.79' LOT 1 N 0°58'30" E 2627.01' LOT 2 2627.01' LOT 3 N 0°07'30" W LOT 4 N 89°21'24" W	5303.34' USA SF-078097 SECTION 30 NAD 83 LAT: 36.868526° N LONG: 108.028191° W NAD 27 LAT: 36° 52.1114' N LONG: 108° 01.6540' W 2075' ADA L. FITZ ET VIR N 89°21'22" W	1636' T.F. THURSTON ETUX 2648.62'	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 <u>Patsy Clugston</u> Date <u>1/4/08</u> Printed Name <u>Patsy Clugston</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>12/04/07</u> Signature and Seal of Professional Surveyor  Certificate Number

Office

Energy, Minerals and Natural Resources

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

OIL CONSERVATION DIVISION

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

WELL API NO.

30-045-34719

5. Indicate Type of Lease

STATE ☐FEE ☐

6. State Oil & Gas Lease No.

USA SF-078097

7. Lease Name or Unit Agreement Name

Heaton Com LS 8

8. Well Number

#100

9. OGRID Number

217817

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

CONOCOPHILLIPS

3. Address of Operator

3401 E. 30TH STREET, FARMINGTON, NM 87402

4. Well Location

Unit Letter J : 2075 feet from the South line and 1636 feet from the East lineSection 30 Township 31N Rng 11W NMPM County San Juan

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

5863' GR

Pit or Below-grade Tank Application

☐ or Closure ☐

Pit type

New Drill

Depth to Groundwater

<50'

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

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

SIGNATURE

Crystal Walker

TITLE

Regulatory Technician

DATE

3/20/2008

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

JUN 16 2008

Conditions of Approval (if any):

COMPANY

BURLINGTON

Charge Code

WAN.RFE.PD07.JU

WELL NAME

HEATON COM LS 8 # 100

DATE

1/2/2007

DUAL WELL

WELL NAME

TRIPLE WELL

WELL NAME

COORDINATES

SEC

TNSHP

RANGE

LATITUDE

LONGITUDE

J 30

31 N

11 W

36.521114 N

108.016540 W

COUNTY

SAN JUAN

RECTIFIER

SOLAR

GROUND BED

240 V METER POLE

480 V METER POLE

D C CABLES

A C CABLES

PRIMARY POWER

DISTANCE TO POWER

UNDERGROUND

PUMPJACK

WATER PUMP

COMPRESSOR

RTU

SAMS

TANKS

SIZE	NEEDED	EXISTING	1 PHASE	3 PHASE
30/12	x			
	x			
100 A	x			
# 8	200 ft			
# 8	900 ft		city Fmt	
			1 phase	
			600 ft	

COMMENTS

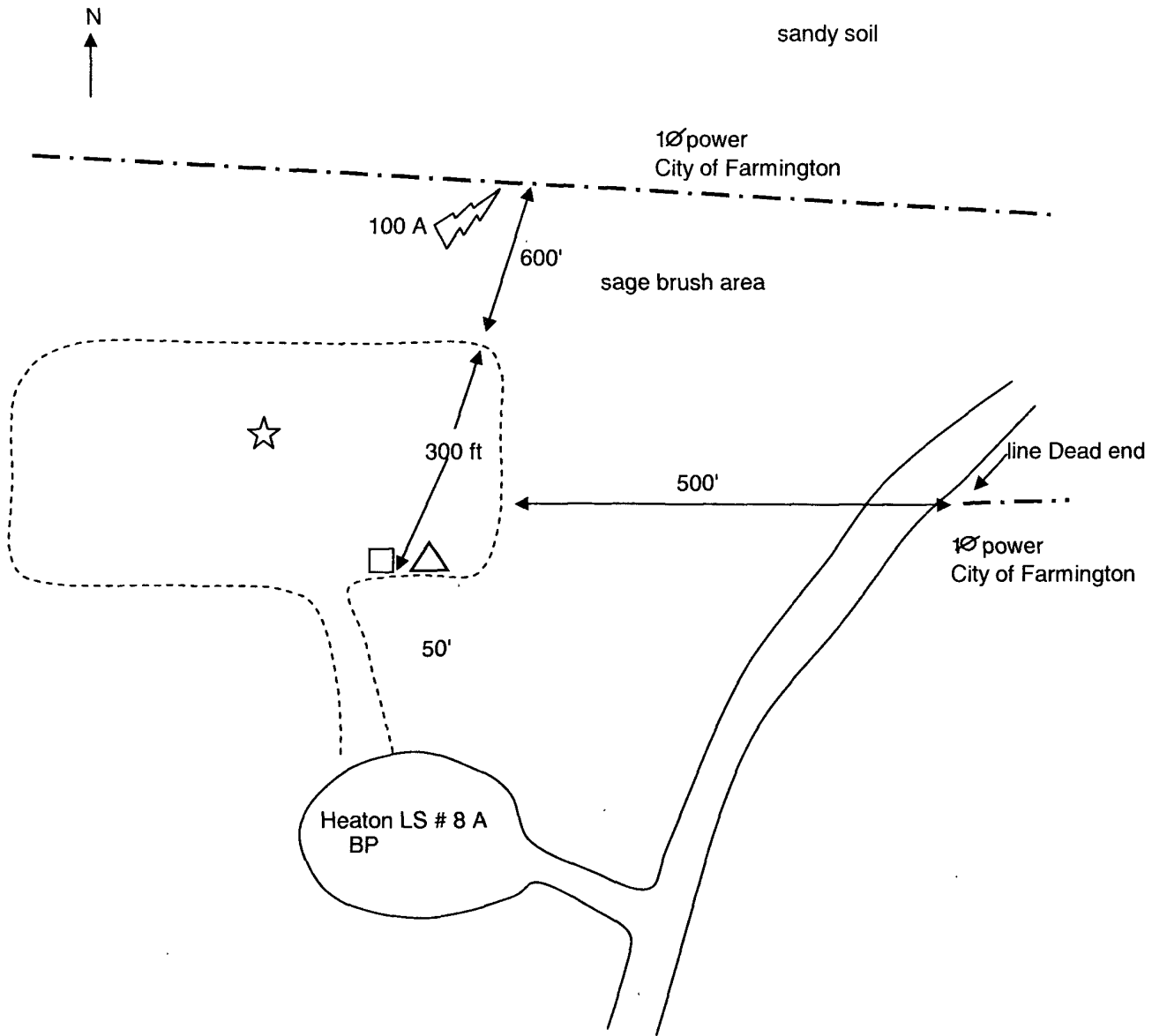
set meter pole at power l;ine --- plow 600 ft ac to loc-

no pipelines to cross to the North - road and lines to cross from the East.

short primary line si possible --- install rectifier system on loc..

sandy soil

Heaton LS 8 # 100



PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HEATON COM LS 8 100

DEVELOPMENT

Lease:		AFE #: WAN.CDR.7428		AFE \$: 210,022.83	
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		NTS: 1:10,000	
Latitude: 36.868523	Longitude: -108.027566	X:	Y:	Section: 30	Range: 011W
Footage X: 1636 FEL		Footage Y: 2075 FSL		Elevation: 5863 (FT)	Township: 031N

Tolerance:			
Location Type: Year Round	Start Date (Est.): 1/1/2009	Completion Date:	Date In Operation:

Formation Data: Assume KB = 5875	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	120	5755	<input type="checkbox"/>			8-3/4 hole. 7" 20 ppf, J-55 STC csg. Cement with 50 cuft. Circulate cement to surface.
OJO ALAMO	743	5132	<input type="checkbox"/>			
KIRTLAND	792	5083	<input type="checkbox"/>			
FRUITLAND	1812	4063	<input type="checkbox"/>	300		Gas
FRUITLAND COAL	2074	3801	<input type="checkbox"/>			
PICTURED CLIFFS	2348	3527	<input type="checkbox"/>			Gas
Total Depth	2548	3327	<input type="checkbox"/>			6-1/4" hole. 4-1/2" 10.5 ppf, J-55, STC casing. Cement with 391 cuft. Circulate cement to surface.

Reference Wells:		
Reference Type	Well Name	Comments
Intermediate	Heaton 27	

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

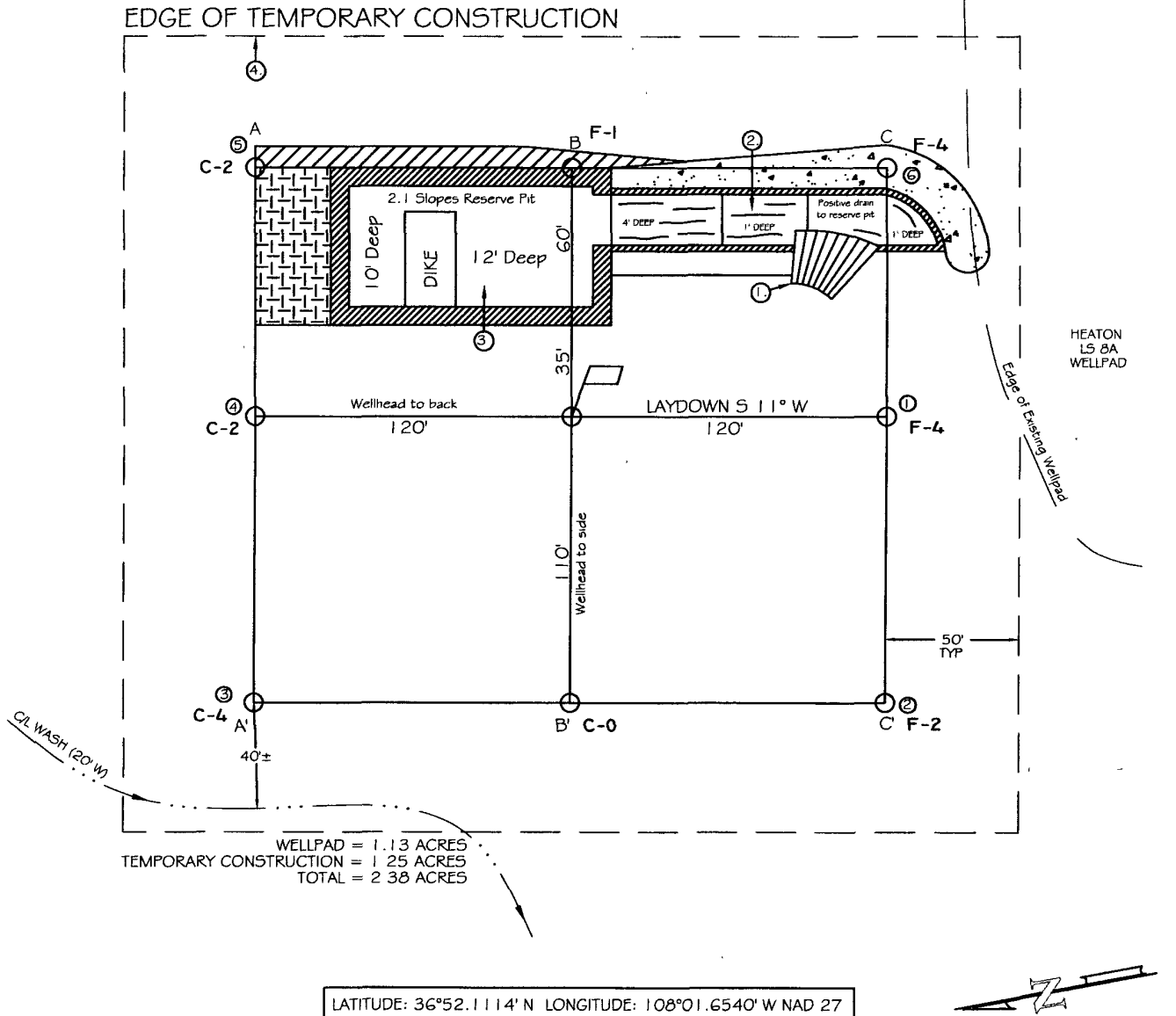
Comments:

CONOCOPHILLIPS

HEATON COM LS 8 100 - 2075' FSL & 1636' FEL
SECTION 30, T-31-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 5863 - DATE: DECEMBER 04, 2007

PAD CONST. SPECS:

- 1 RAMP INTO PIT CONSTRUCTED FROM PAD GRADE INTO FLARE AREA AT 5% SLOPE
- 2 APPROXIMATE 13'x75' PIT AREA LINED WITH 12 MIL POLYLINER
- 3 RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE)
- 4 EDGE OF TEMPORARY CONSTRUCTION DEFINED IN FIELD W/G T-POST



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: 12/04/07

REV. DATE:

APP. BY M.W.L.

DRAWN BY: H.S.

DATE DRAWN: 12/26/07

FILE NAME: 8141L01



P.O. BOX 3651
FARMINGTON, NM 87499
OFFICE: (505)334-0408

CONOCOPHILLIPS

HEATON COM LS 8 100 - 2075' FSL & 1636' FEL
SECTION 30, T-31-N, R-11-W, N.M.P.M., SAN JUAN COUNTY, N.M.
GROUND ELEVATION: 5863 - DATE: DECEMBER 04, 2007

ELEVATION

A-A'

ℰ

5880	.....	.....	.....	.....	.....	.....
5870	.....	.....	.....	.....	.....	.....
5860	.....	.....	.....	.....	.....	.....
5850	.....	.....	.....	.....	.....	.....
5840	.....	.....	.....	.....	.....	.....

B-B'

ℰ

5880	.....	.....	.....	.....	.....	.....
5870	.....	.....	.....	.....	.....	.....
5860	.....	.....	.....	.....	.....	.....
5850
5840

C-C'

ℰ

5880
5870
5860
5850
5840

1" = 60' - HORIZONTAL
1" = 30' - VERTICAL

NOTES:

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