

RECEIVED

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 28 2012

Farmington Field Office
Bureau of Land Management

Sundry Notices and Reports on Wells

1. Type of Well
GAS

5. Lease Number
SF-078097

6. If Indian, All. or
Tribe Name

2. Name of Operator

7. Unit Agreement Name

 ConocoPhillips

3. Address & Phone No. of Operator

8. Well Name & Number
Heaton LS 1M

PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. API Well No.

30-045- 35337

4. Location of Well, Footage, Sec., T, R, M

Surface: Unit O (SWSE), 625' FSL & 1308' FEL, Section 28, T31N, R11W, NMPM
BHL: Unit P (SESE), 710' FSL & 710' FEL, Section 28, T31N, R11W, NMPM

10. Field and Pool
Blanco MV/Basin DK/Basin Mancos

11. County and State
San Juan, NM

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

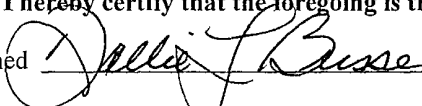
Type of Submission	Type of Action			
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans	☒ Other -	☐ Surface Move
☐ Subsequent Report	☐ Recompletion	☐ New Construction		
☐ Final Abandonment	☐ Plugging	☐ Non-Routine Fracturing		
	☐ Casing Repair	☐ Water Shut off		
	☐ Altering Casing	☐ Conversion to Injection		

13. Describe Proposed or Completed Operations

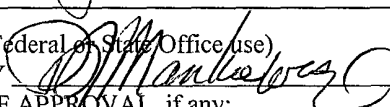
ConocoPhillips requests permission to move the proposed surface location from 720' FSL & 1537' FEL to 625' FSL & 1308' FEL. The Bottomhole location will remain the same. Attached is the revised C102 plat, well pad diagram, cut/fill diagram, topo map, driving directions, access road diagram, project proposal and pipeline plat. The revised archaeological report, BSR & EA have been submitted to the BLM.

Hold C104
for Directional Survey
and "As Drilled" plat

14. I hereby certify that the foregoing is true and correct.

Signed  Dollie L. Busse Title Staff Regulatory Technician Date 2/28/12

(This space for Federal or State Office use)

APPROVED BY  Title AFN Date 5/31/12

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

RCVD JUN 6 '12

OIL CONS. DIV.

DIST. 3

Hold C104
for Directional Survey
and "As Drilled" plat

NMOCD

AV

elt

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

RECEIVED

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION FEB 28 2012

1220 South St. Francis Dr.

Santa Fe, NM 87505

Farmington Field Office

Bureau of Land Management

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35337	² Pool Code 72319/71599/97232	³ Pool Name BLANCO MESAVERDE / BASIN DAKOTA / MANCOS
⁴ Property Code 31748	⁵ Property Name HEATON LS	⁶ Well Number 1M
⁷ OGRID No. 21787	⁸ Operator Name CONOCOPHILLIPS COMPANY	⁹ Elevation 5880'

¹⁰ Surface Location

UL or lot no. O	Section 28	Township 31N	Range 11W	Lot Idn	Feet from the 625'	North/South line SOUTH	Feet from the 1308'	East/West line EAST	County SAN JUAN
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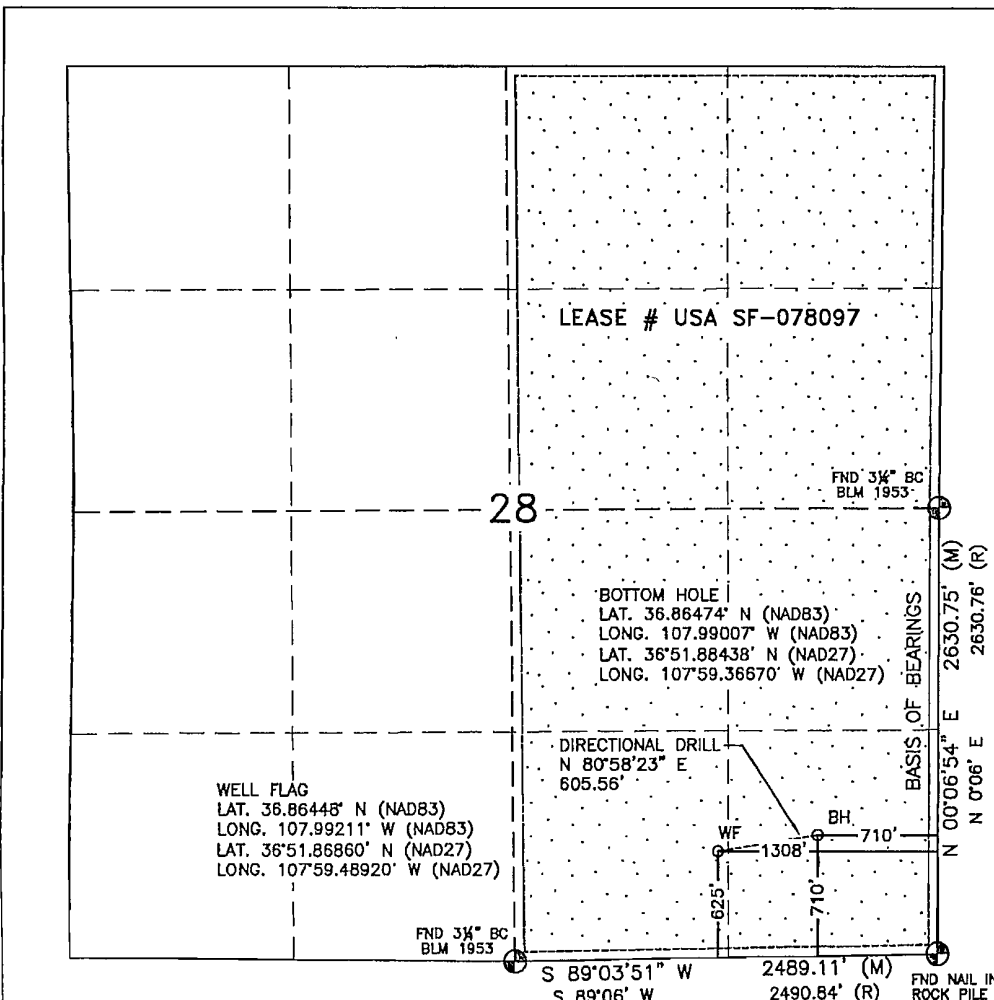
¹¹ Bottom Hole Location If Different From Surface

UL or lot no. P	Section 28	Township 31N	Range 11W	Lot Idn	Feet from the 710'	North/South line SOUTH	Feet from the 710'	East/West line EAST	County SAN JUAN
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¹² Dedicated Acres 320.00 ACRES - 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

16



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.

Dollie L. Busse
Signature Date

Dollie L. Busse

Printed Name

Staff Regulatory Tech.

E-mail Address

¹⁸ SURVEYOR CERTIFICATION

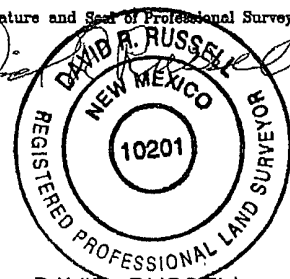
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

DECEMBER 29, 2011

Date of Survey

Signature and Seal of Professional Surveyor:

David A. Russell



DAVID RUSSELL

Certificate Number

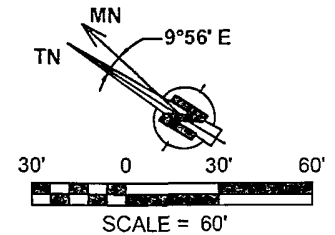
10201

WELL FLAG

LATITUDE: 36.86448° N
LONGITUDE: 107.99211° W
CENTER OF PIT
LATITUDE: 36.86453° N
LONGITUDE: 107.99193° W
ELEVATION: 5867.6'
DATUM: NAD83 & NAVD88

CONOCOPHILLIPS COMPANY

HEATON LS #1M
625' FSL & 1308' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 28,
T31N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 5880', NAVD 88
FINISHED PAD ELEVATION: 5879.6', NAVD 88

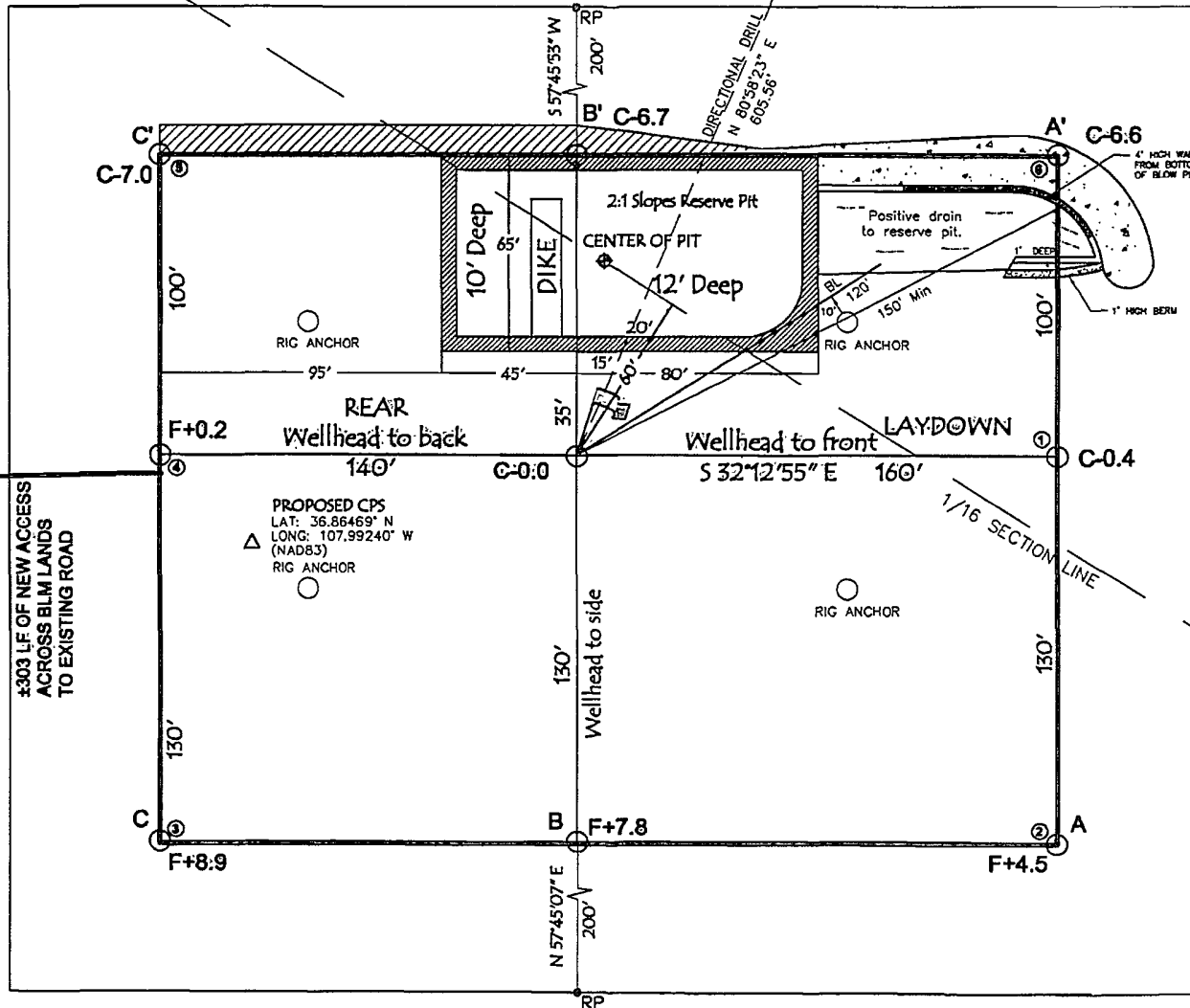


NOTES:

1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTS AT THE SOUTHEAST CORNER AND THE EAST QUARTER CORNER OF SECTION 28, TOWNSHIP 31 NORTH, RANGE 11 WEST, N.M.P.M. SAN JUAN COUNTY, NEW MEXICO.
LINE BEARS: N 00°06'54" E A DISTANCE OF 2630.75 FEET AS MEASURED BY G.P.S.

2.) LATITUDE, LONGITUDE AND ELLIPSOIDAL HEIGHT BASED ON AZTEC CORS L1 PHASE CENTER.
DISTANCES SHOWN ARE GROUND DISTANCES USING A TRAVERSE MERCATOR PROJECTION FROM A WGS84 ELLIPSOID, CONVERTED TO NAD83.
NAVD88 ELEVATIONS AS PREDICTED BY GEOID03.

3.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED WITH NEW MEXICO ONE-CALL AUTHORITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.



TOTAL PERMITTED AREA
330' x 400' = 3.03 ACRES
SCALE: 1" = 60'
JOB No.: COPC442_REV1
DATE: 01/02/12
DRAWN BY: TWT

NOTE:

RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
RUSSELL SURVEYING, INC. 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, IN CONSTRUCTION ZONE AND/OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

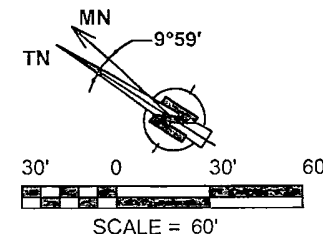
SLOPES TO BE CONSTRUCTED TO
MATCH THE ORIGINAL CONTOURS
AS CLOSE AS POSSIBLE.



Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637

WELL FLAG
 LATITUDE: 36.86448° N
 LONGITUDE: 107.99211° W
 DATUM: NAD83

CONOCOPHILLIPS COMPANY
 HEATON LS #1M
 625' FSL & 1308' FEL
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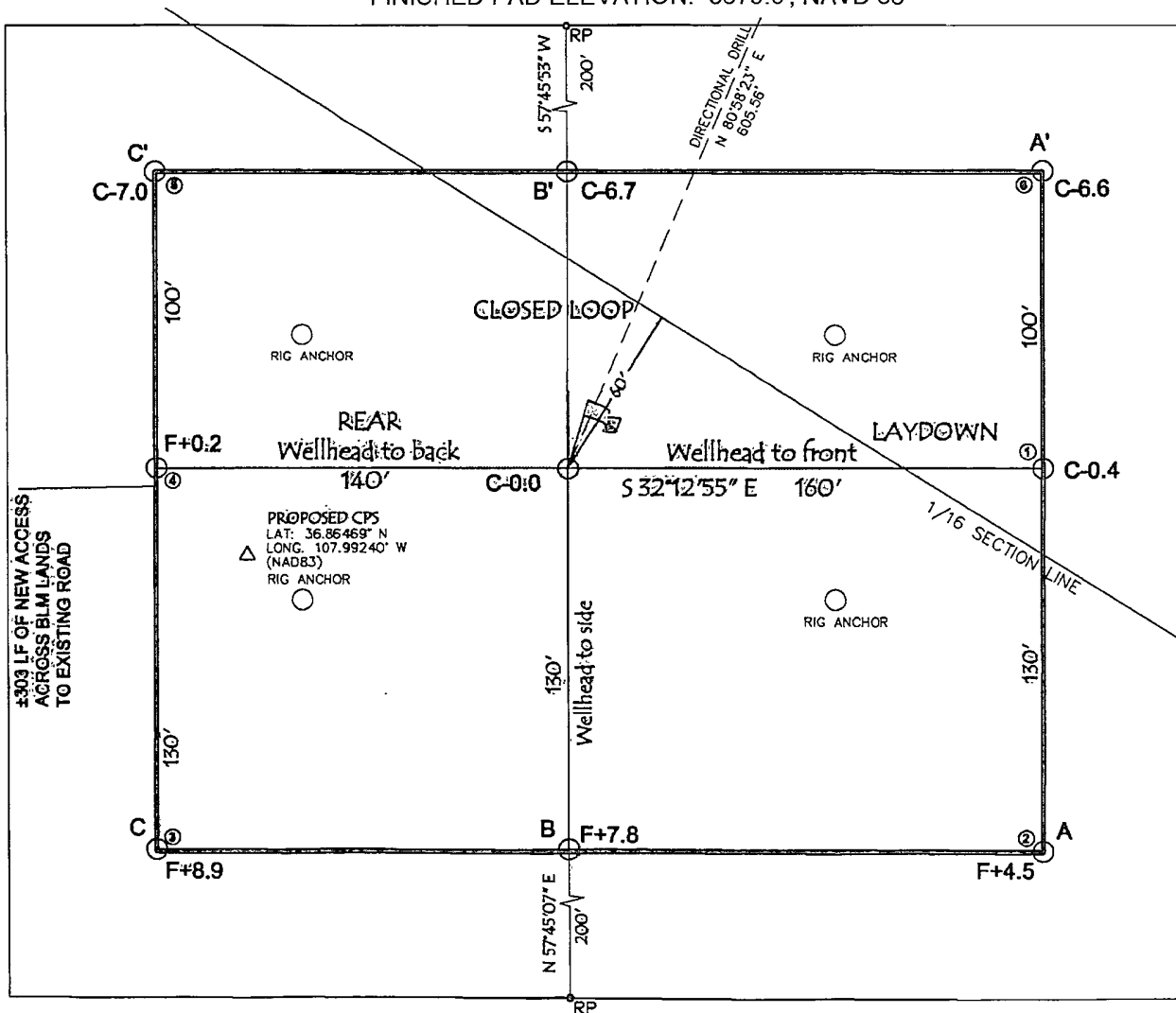


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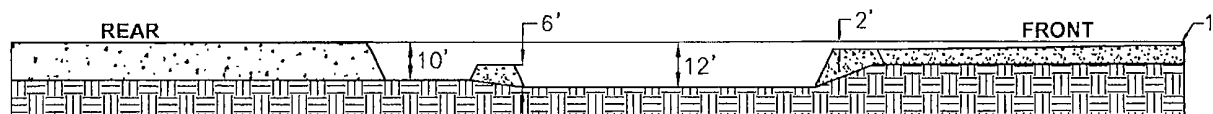
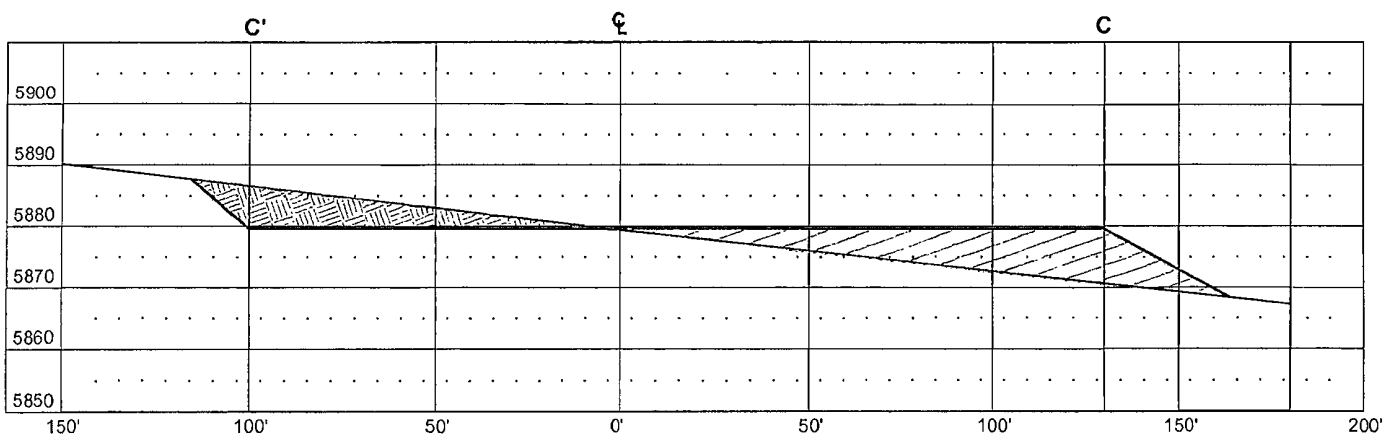
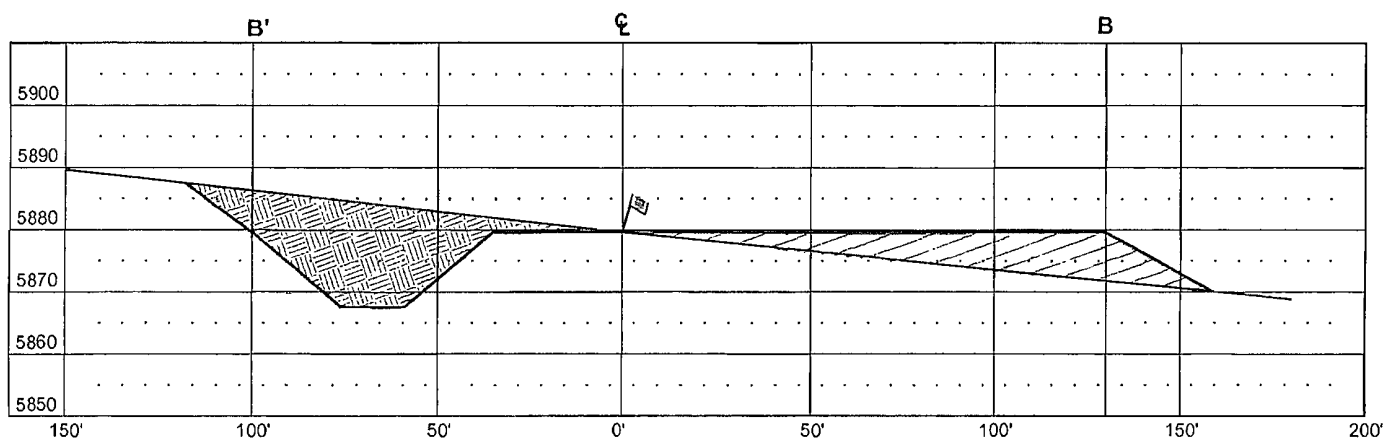
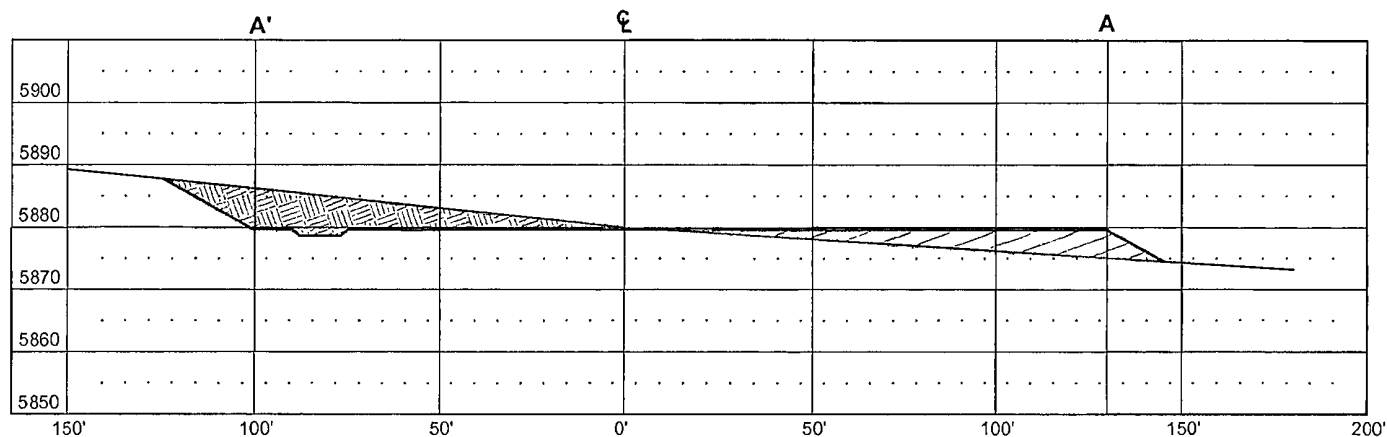


Russell Surveying
 1409 W. Aztec Blvd. #2
 Aztec, New Mexico 87410
 (505) 334-8637

CONOCOPHILLIPS COMPANY

LATITUDE: 36.86448° N
LONGITUDE: 107.99211° W
DATUM: NAD 83

HEATON LS #1M
625' FSL & 1308' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 28,
T31N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
GROUND ELEVATION: 5880', NAVD 88
FINISHED PAD ELEVATION: 5879.6', NAVD 88



VERT. SCALE: 1" = 30'
HORIZ. SCALE: 1" = 50'
JOB No.: COPC442_REV1
DATE: 01/02/12

THIS DIAGRAM IS AN ESTIMATE
OF DIRT BALANCE AND IS NOT
INTENDED TO BE AN EXACT
MEASURE OF VOLUME

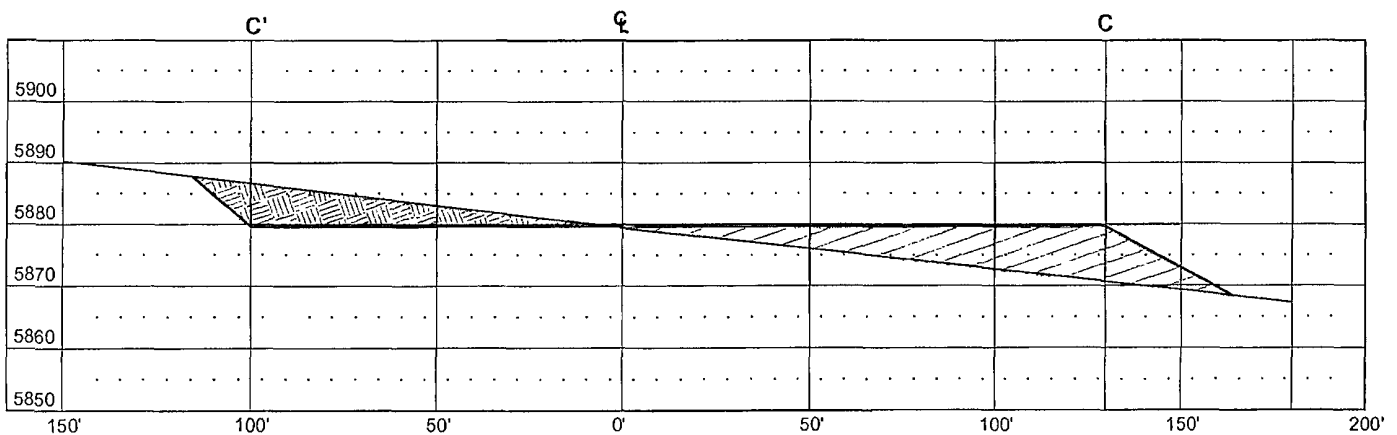
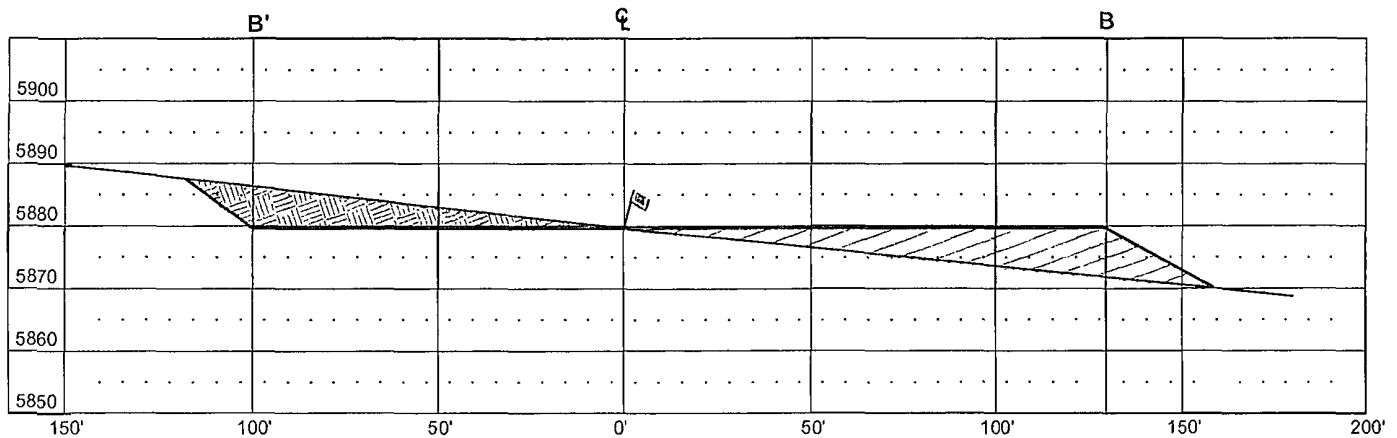
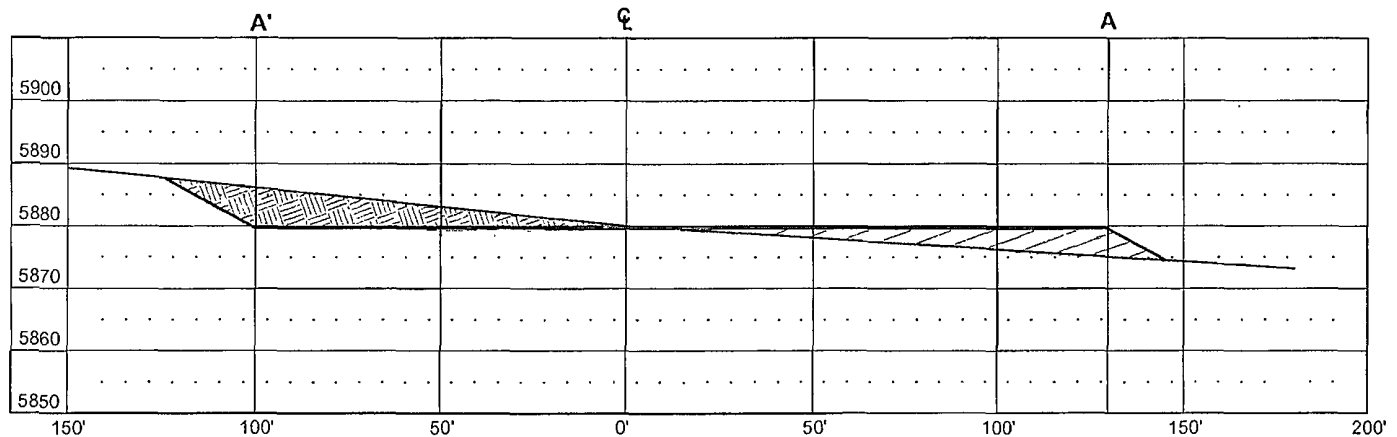


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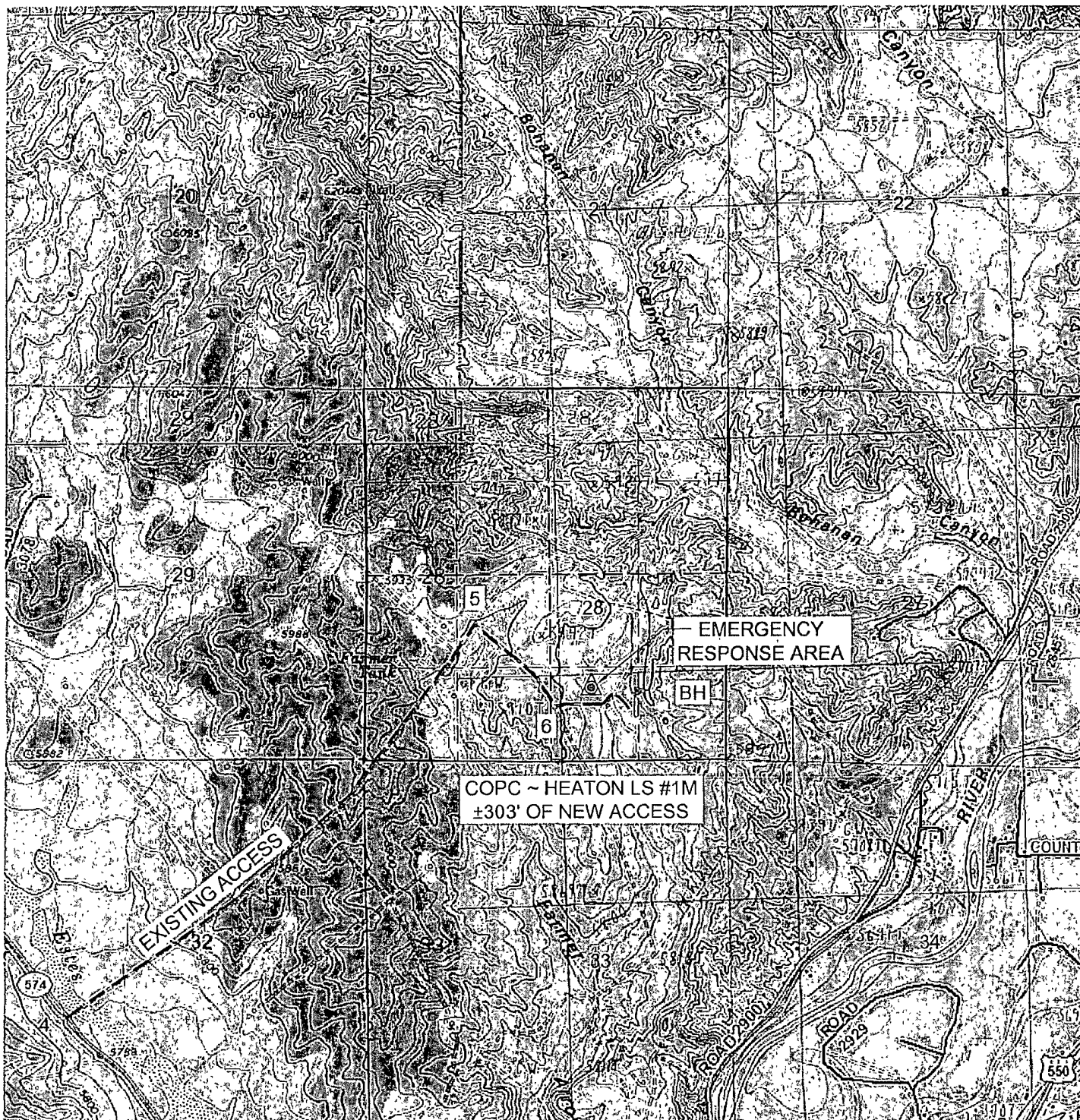
625' FSL & 1308' FEL

LOCATED IN THE SW/4 SE/4 OF SECTION 28,
T31N, R11W, N.M.P.M.,

SAN JUAN COUNTY, NEW MEXICO

GROUND ELEVATION: 5880', NAVD 88

±303' OF NEW ACCESS ACROSS BLM LANDS



**NEW OR RECONSTRUCTED ROADS MUST MEET
SMA DESIGN STANDARDS
INSTALL CULVERTS AS NEEDED**

LP X S

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CONOCOPHILLIPS COMPANY
HEATON LS #1M
625' FSL & 1308' FEL
LOCATED IN THE SW/4 SE/4 OF SECTION 28,
T31N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO

DIRECTIONS

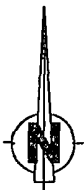
- 1) FROM POST OFFICE IN AZTEC, TRAVEL NORTH ON HIGHWAY 550 TO HIGHWAY 516.
- 2) TURN LEFT ONTO HIGHWAY 516 AND TRAVEL 0.8 MILES TO HIGHWAY 574 (LIGHT PLANT ROAD).
- 3) TURN RIGHT ONTO HIGHWAY 574 AND TRAVEL 2.0 MILES.
- 4) TRAVEL CR 3073 1.5 MILES.
- 5) TURN RIGHT AND TRAVEL 0.3 MILES.
- 6) TURN LEFT AND 0.2 MILES TO FLAGGED ACCESS ON RIGHT.

WELL FLAG LOCATED AT LAT. 36.86448° N, LONG. 107.99211° W (NAD 83).



PROPOSED ACCESS FOR
CONOCOPHILLIPS COMPANY

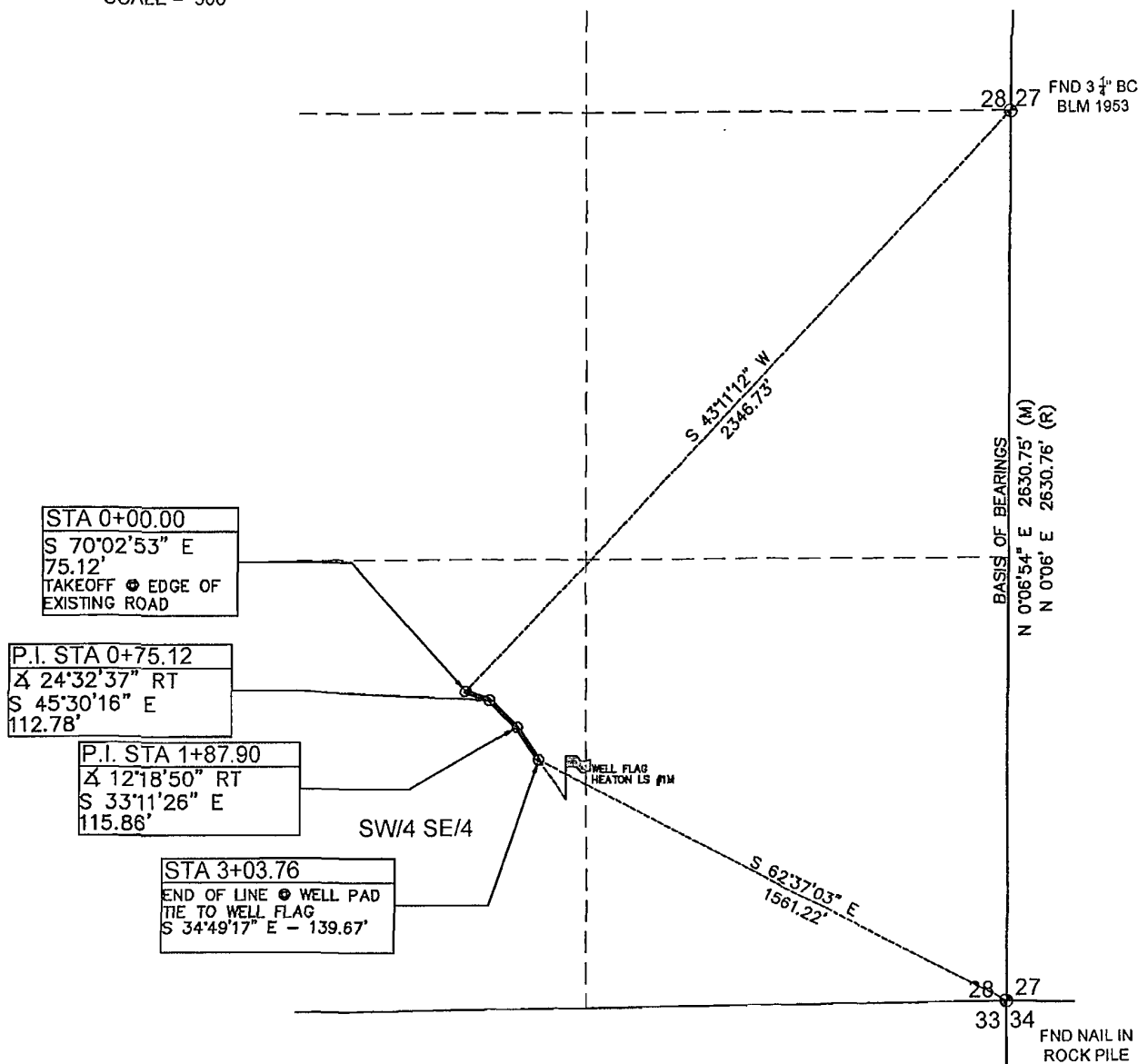
HEATON LS #1M
LOCATED IN THE SW/4 SE/4 OF SECTION 28,
T31N, R11W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO



250' 0 250' 500'



SCALE = 500'



NOTES:

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LINE BEARS: N 0°06'54" E A DISTANCE OF 2630.75 FEET AS MEASURED BY C.P.S.

2.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED WITH NEW MEXICO ONE-CALL AUTHORITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.



~ SURFACE OWNERSHIP ~	
BUREAU OF LAND MANAGEMENT	
0+00 TO 3+03.76	
303.76 FT/ 18.41 RODS	
DATE OF SURVEY	12/29/11
RR	

David R. Russell

DAVID R. RUSSELL, PLS
NEW MEXICO L.S. #10201

DATE JAN 4, 2012

JOB No.: COPC442_REV1 DATE: 01/02/12

Russell Surveying
1409 W. Aztec Blvd. #2
Aztec, New Mexico 87410
(505) 334-8637

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HEATON LS 1M

DEVELOPMENT

Lease:		AFE #: WAN.CDR.1089				AFE \$:	
Field Name: SAN JUAN		Rig: Aztec Rig 730		State: NM	County: SAN JUAN		API #:
Geologist:		Phone:		Geophysicist:		Phone:	
Geoscientist:		Phone:		Prod. Engineer:		Phone:	
Res. Engineer:		Phone:		Proj. Field Lead:		Phone:	
Primary Objective (Zones):							
Zone	Zone Name						
FRR	BASIN DAKOTA (PRORATED GAS)						
RON	BLANCO MESAVERDE (PRORATED GAS)						
RCO085	MANCOS(RCO085)						
Location: Surface Datum Code: NAD 27 Directional							
Latitude: 36.864477	Longitude: -107.991487	X:	Y:	Section: 28		Range: 011W	
Footage X: 1308 FEL	Footage Y: 625 FSL	Elevation: 5880	(FT)	Township: 031N			
Tolerance:							
Location: Bottom Hole Datum Code: NAD 27 Directional							
Latitude: 36.864740	Longitude: -107.989445	X:	Y:	Section: 28		Range: 011W	
Footage X: 710 FEL	Footage Y: 710 FSL	Elevation:	(FT)	Township: 031N			
Tolerance:							
Location Type: Year Round		Start Date (Est.): 1/1/2012		Completion Date:		Date In Operation:	
Formation Data: Assume KB = 5895 Units = FT							
Formation Call & Casing Points	Depth (TVD in Ft)	SS (Ft)	MD (Ft)	Depletion (Yes/No)	BHP (PSIG)	BHT	Remarks
Surface Casing	200	5695	200	☐			12-1/4 hole. 200' 9 5/8" 32.3 ppf, H-40, STC casing. Cement with 121 cuft. Circulate cement to surface.
OJO ALAMO	955	4940		☐			
KIRTLAND	1015	4880		☐			
FRUITLAND	1895	4000		☐			Possible Gas
PICTURED CLIFFS	2452	3443		☐			
LEWIS	2587	3308		☐			
HUERFANITO BENTONITE	3179	2716		☐			
CHACRA	3526	2369		☐			
UPPER CLIFF HOUSE	3893	2002		☐			
MASSIVE CLIFF HOUSE	4068	1827		☐	547		Gas; Cliffhouse is wet
MENEFEE	4253	1642		☐			Est. Top Perf - 4255 (1640)
Intermediate Casing	4403	1492		☐		144	8 3/4" Hole. 7", 23 ppf, J-55, LTC Casing. Cement with 1022 cuft. Circulate cement to surface.
POINT LOOKOUT	4748	1147		☐			
MANCOS	5065	830		☐			
UPPER GALLUP	6028	-133		☐			
GREENHORN	6755	-860		☐			
GRANEROS	6812	-917		☐			
TWO WELLS	6867	-972		☐	2496		Gas
PAGUATE	6944	-1049		☐			
LOWER CUBERO	6973	-1078		☐			Est. Btm Perf - 7065 (- 1170) based on offset wells
UPPER CUBERO	6973	-1078		☐			

PROJECT PROPOSAL - New Drill / Sidetrack

San Juan Business Unit

HEATON LS 1M

DEVELOPMENT

ENCINAL	7045	-1150	☐	TD - 40' Below T/ENCN
Total Depth	7085	-1190	☐	202 6-1/4" hole, 4-1/2" 11.6 ppf, L-80, LTC casing. Cement w/ 361 cuft. Circulate cement a minimum of 100' inside the previous casing string.

Reference Wells:		
Reference Type	Well Name	Comments
Production	FEDERAL-100B	31N 11W 27
Production	HEATON-16	31N 11W 28 NW SW
Production	HEATON COM-B-3-E	31N 11W 33 SE NW NE

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

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

Cased Hole GR / CBL

Mudlog from 100' above top of GLLP to TD - mudlogger will call TD.

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

