

For KCC Use: 7-20-2010
 Effective Date: 3
 District #: 3
 SGA? Yes No

KANSAS CORPORATION COMMISSION
 OIL & GAS CONSERVATION DIVISION

Form C-1
 October 2007

Form must be Typed
 Form must be Signed
 All blanks must be Filled

NOTICE OF INTENT TO DRILL

Must be approved by KCC five (5) days prior to commencing well

Expected Spud Date: 6 1 2010
 month day year

OPERATOR: License# 34027 ✓
 Name: CEP MID CONTINENT LLC
 Address 1: 15 WEST 6TH ST SUITE 1100
 Address 2: _____
 City: TULSA State: OK Zip: 74119 + 5415
 Contact Person: VICKIE HARTER
 Phone: 918-877-2923

CONTRACTOR: License# 33832 ✓
 Name: PENSE BROS. DRILLING CO

Well Drilled For: Oil Gas Enh Rec Storage Disposal Seismic; # of Holes _____ Other: SIDETRACK OF EXISTING WELL ←
 Well Class: Infield Pool Ext. Wildcat
 Type Equipment: Mud Rotary Air Rotary Cable
 If OWWO: old well information as follows:

Operator: Sunwest Petroleum, Inc.
 Well Name: Wheeler-Haddon R-2
 Original Completion Date: 1-2-02 Original Total Depth: 1419

Directional, Deviated or Horizontal wellbore? Yes No
 If Yes, true vertical depth: 1310 1583
 Bottom Hole Location: SW NW 8-34S-15E 400 FNL 0007 FWL
 KCC DKT #: 10-CONS-335-599
CHOR

Spot Description: NE NW
SW - NE - NE - NW Sec. 8 Twp. 34 S. R. 15 E W
 (Q/Q/Q) 436 feet from N / S Line of Section
2,237 feet from E / W Line of Section

Is SECTION: Regular Irregular?

(Note: Locate well on the Section Plat on reverse side)
 County: MONTGOMERY

Lease Name: WHEELER HADDEN Well #: 8-2
 Field Name: SUNWEST Cherokee Basin Coal Area

Is this a Prorated / Spaced Field? Yes No

Target Formation(s): RIVERTON

Nearest Lease or unit boundary line (in footage): 436
 Ground Surface Elevation: 811 feet MSL

Water well within one-quarter mile: Yes No
 Public water supply well within one mile: Yes No

Depth to bottom of fresh water: 150
 Depth to bottom of usable water: 400 175

Surface Pipe by Alternate: I II ✓
 Length of Surface Pipe Planned to be set: 20' ✓

Length of Conductor Pipe (if any): _____
 Projected Total Depth: 3254 ✓

Formation at Total Depth: RIVERTON ✓

Water Source for Drilling Operations: Well Farm Pond Other: _____

DWR Permit #: _____
 (Note: Apply for Permit with DWR)

Will Cores be taken? Yes No
 If Yes, proposed zone: _____

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 WICHITA, KS

AFFIDAVIT

The undersigned hereby affirms that the drilling, completion and eventual plugging of this well will comply with K.S.A. 55 et. seq.

It is agreed that the following minimum requirements will be met:

1. Notify the appropriate district office prior to spudding of well;
2. A copy of the approved notice of intent to drill shall be posted on each drilling rig;
3. The minimum amount of surface pipe as specified below shall be set by circulating cement to the top; in all cases surface pipe shall be set through all unconsolidated materials plus a minimum of 20 feet into the underlying formation.
4. If the well is dry hole, an agreement between the operator and the district office on plug length and placement is necessary prior to plugging;
5. The appropriate district office will be notified before well is either plugged or production casing is cemented in;
6. If an ALTERNATE II COMPLETION, production pipe shall be cemented from below any usable water to surface within 120 DAYS of spud date. Or pursuant to Appendix "B" - Eastern Kansas surface casing order #133,891-C, which applies to the KCC District 3 area, alternate II cementing must be completed within 30 days of the spud date or the well shall be plugged. In all cases, NOTIFY district office prior to any cementing.

I hereby certify that the statements made herein are true and correct to the best of my knowledge and belief.

Date: 5-27-10 Signature of Operator or Agent: [Signature] Title: V.P. OPERATIONS

For KCC Use ONLY
 API # 15 - 125-30074-01-00
 Conductor pipe required None feet
 Minimum surface pipe required 20 feet per ALT. I II
 Approved by: [Signature] 7-15-2010
 This authorization expires: 7-15-2011
 (This authorization void if drilling not started within 12 months of approval date.)
 Spud date: _____ Agent: _____

Remember to:

- File Drill Pit Application (form CDP-1) with Intent to Drill;
- File Completion Form ACO-1 within 120 days of spud date;
- File acreage attribution plat according to field proration orders;
- Notify appropriate district office 48 hours prior to workover or re-entry;
- Submit plugging report (CP-4) after plugging is completed (within 60 days);
- Obtain written approval before disposing or injecting salt water.
- If this permit has expired (See: authorized expiration date) please check the box below and return to the address below.

Well Not Drilled - Permit Expired Date: _____
 Signature of Operator or Agent: _____

8
 34
 15
 E
 W

IN ALL CASES PLOT THE INTENDED WELL ON THE PLAT BELOW

Plat of acreage attributable to a well in a prorated or spaced field

If the intended well is in a prorated or spaced field, please fully complete this side of the form. If the intended well is in a prorated or spaced field complete the plat below showing that the well will be properly located in relationship to other wells producing from the common source of supply. Please show all the wells and within 1 mile of the boundaries of the proposed acreage attribution unit for gas wells and within 1/2 mile of the boundaries of the proposed acreage attribution unit for oil wells.

API No. 15 - 125-30074 -01-00
 Operator: CEP MID CONTINENT LLC
 Lease: WHEELER HADDEN
 Well Number: 8-2
 Field: SUNWEST

Location of Well: County: MONTGOMERY
436 feet from N / S Line of Section
2,237 feet from E / W Line of Section
 Sec. 8 Twp. 34 S. R. 15 E W

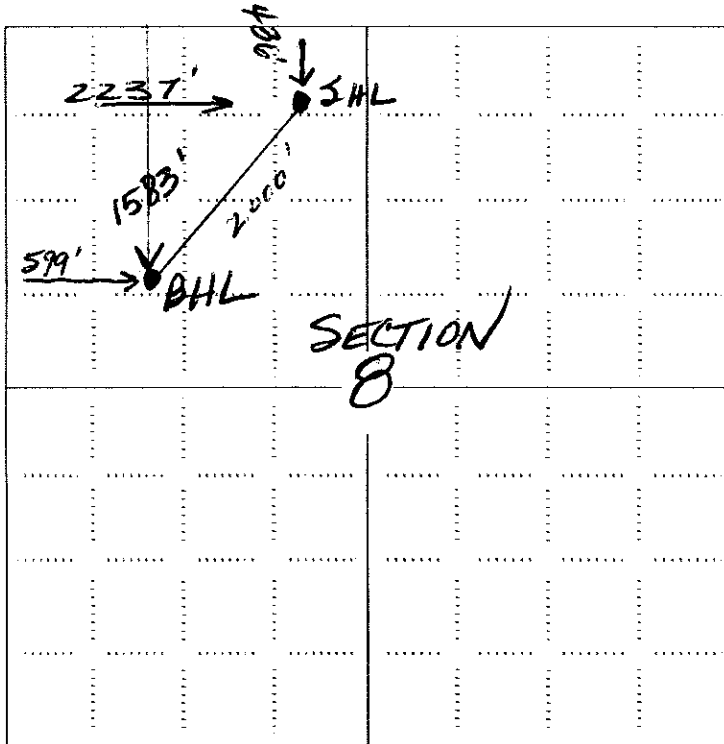
Number of Acres attributable to well: _____
 QTR/QTR/QTR/QTR of acreage: _____ - _____ - NE - NW

Is Section: Regular or Irregular

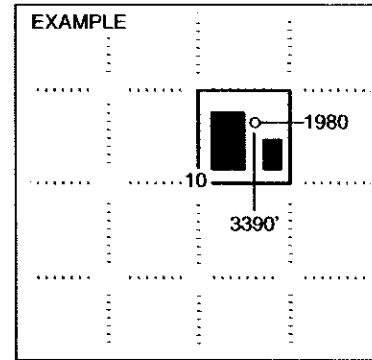
If Section is Irregular, locate well from nearest corner boundary.
 Section corner used: NE NW SE SW

PLAT

*(Show location of the well and shade attributable acreage for prorated or spaced wells.)
 (Show footage to the nearest lease or unit boundary line.)*



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NOTE: In all cases locate the spot of the proposed drilling locaton.

In plotting the proposed location of the well, you must show:

1. The manner in which you are using the depicted plat by identifying section lines, i.e. 1 section, 1 section with 8 surrounding sections, 4 sections, etc.
2. The distance of the proposed drilling location from the south / north and east / west outside section lines.
3. The distance to the nearest lease or unit boundary line (in footage).
4. If proposed location is located within a prorated or spaced field a certificate of acreage attribution plat must be attached: (CO-7 for oil wells; CG-8 for gas wells).

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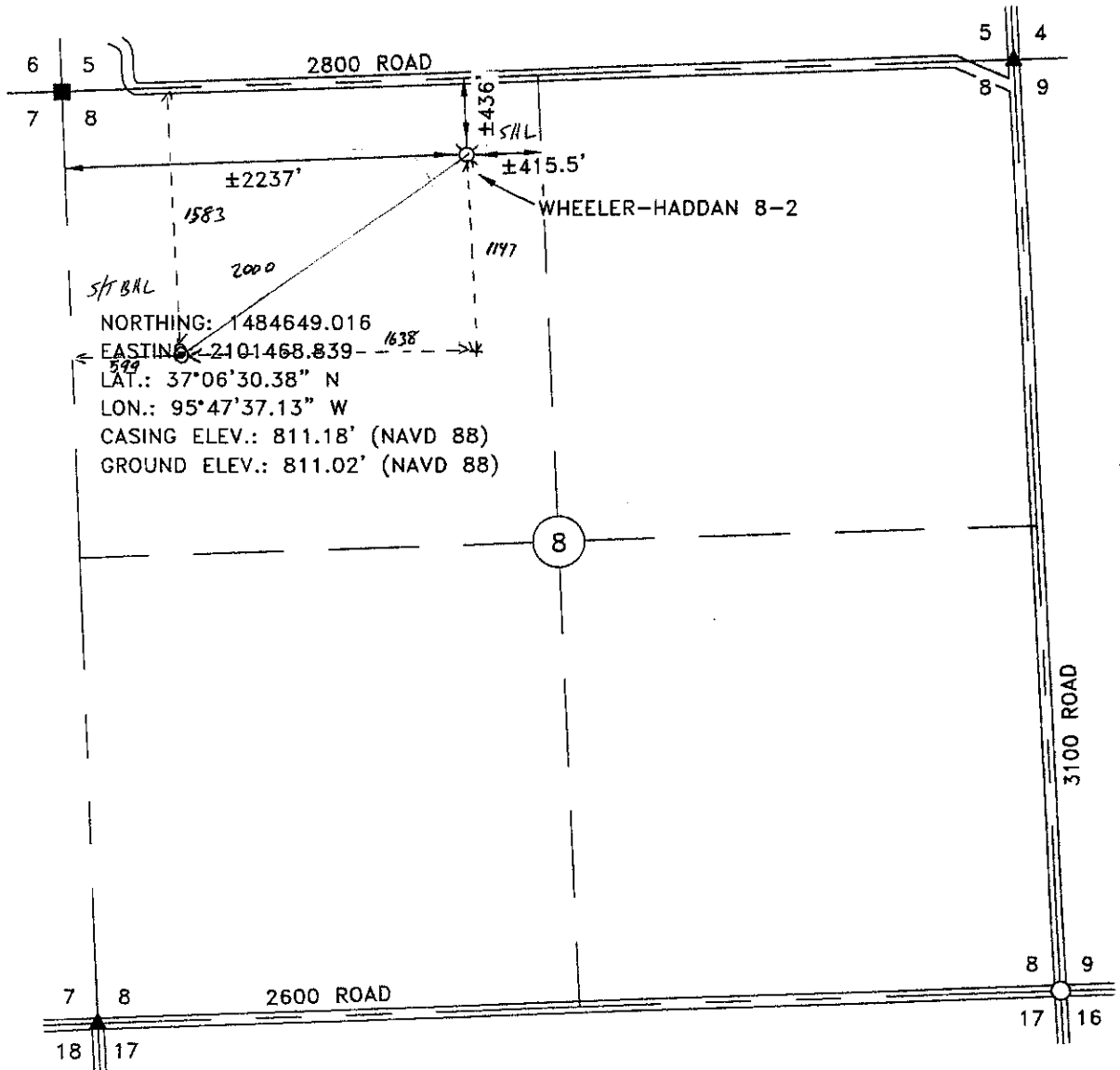
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 WICHITA, KS

15-125-30074-01-00

SECTION 8,
 T 34 S - R 15 E, 6TH P.M.,
 MONTGOMERY COUNTY, KANSAS

BASIS OF BEARINGS: KANSAS STATE PLANE
 GPS - SOUTH ZONE NAD 83
 PLAT NORTH



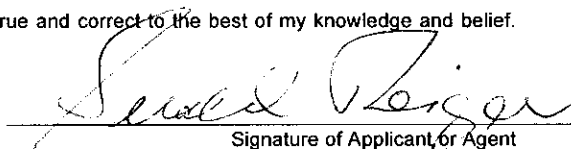
NORTHING: 1484649.016
 EASTING: 2101468.839
 LAT.: 37°06'30.38" N
 LON.: 95°47'37.13" W
 CASING ELEV.: 811.18' (NAVD 88)
 GROUND ELEV.: 811.02' (NAVD 88)

SCALE: 1"=1000' DATE SURVEYED: 2/16/10
 OPERATOR: CONSTELLATION ENERGY
 LEASE NAME: WHEELER-HADDAN WELL NO.: 8-2
 TOPOGRAPHY & VEGETATION: PASTURE-EXISTING WELL CASING ONLY

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
APPLICATION FOR SURFACE PIT**

Form CDP-1
April 2004
Form must be Typed

Submit in Duplicate

Operator Name: CEP MID CONTINENT LLC		License Number: 34027	
Operator Address: 15 WEST 6TH ST SUITE 1100		TULSA	OK 74119
Contact Person: VICKIE HARTER		Phone Number: 918-877-2923	
Lease Name & Well No.: WHEELER HADDEN 8-2		Pit Location (QQQQ): SW NE NE NW	
Type of Pit: <input type="checkbox"/> Emergency Pit <input type="checkbox"/> Burn Pit <input type="checkbox"/> Settling Pit <input type="checkbox"/> Drilling Pit <input checked="" type="checkbox"/> Workover Pit <input type="checkbox"/> Haul-Off Pit <i>(If WP Supply API No. or Year Drilled)</i>		Pit is: <input checked="" type="checkbox"/> Proposed <input type="checkbox"/> Existing If Existing, date constructed: _____ Pit capacity: 1,700 (bbls)	
		Sec. 8 Twp. 34 R. 15 <input checked="" type="checkbox"/> East <input type="checkbox"/> West 436 Feet from <input checked="" type="checkbox"/> North / <input type="checkbox"/> South Line of Section 2,237 Feet from <input type="checkbox"/> East / <input checked="" type="checkbox"/> West Line of Section MONTGOMERY County	
Is the pit located in a Sensitive Ground Water Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Chloride concentration: _____ mg/l <i>(For Emergency Pits and Settling Pits only)</i>	
Is the bottom below ground level? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Artificial Liner? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		How is the pit lined if a plastic liner is not used? NATIVE CLAYS	
Pit dimensions (all but working pits): <u>30</u> Length (feet) <u>40</u> Width (feet) <input type="checkbox"/> N/A: Steel Pits Depth from ground level to deepest point: <u>8</u> (feet) <input type="checkbox"/> No Pit			
If the pit is lined give a brief description of the liner material, thickness and installation procedure. NA		Describe procedures for periodic maintenance and determining liner integrity, including any special monitoring. NA	
		RECEIVED KANSAS CORPORATION COMMISSION JUN 21 2010 CONSERVATION DIVISION WICHITA, KS	
Distance to nearest water well within one-mile of pit <u>3891</u> feet Depth of water well <u>85</u> feet		Depth to shallowest fresh water <u>140</u> ²³ feet. Source of information: <input type="checkbox"/> measured <input type="checkbox"/> well owner <input type="checkbox"/> electric log <input checked="" type="checkbox"/> KDWR	
Emergency, Settling and Burn Pits ONLY: Producing Formation: _____ Number of producing wells on lease: _____ Barrels of fluid produced daily: _____ Does the slope from the tank battery allow all spilled fluids to flow into the pit? <input type="checkbox"/> Yes <input type="checkbox"/> No		Drilling, Workover and Haul-Off Pits ONLY: Type of material utilized in drilling/workover: <u>FRESH WATER</u> Number of working pits to be utilized: <u>1</u> Abandonment procedure: <u>AIR DRIED AND BACKFILLED</u> Drill pits must be closed within 365 days of spud date.	
I hereby certify that the above statements are true and correct to the best of my knowledge and belief. <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;"> <u>5-27-10</u> Date </div> <div style="text-align: center;">  Signature of Applicant or Agent </div> </div>			
KCC OFFICE USE ONLY			
		Steel Pit <input type="checkbox"/>	RFAC <input checked="" type="checkbox"/> RFAS <input type="checkbox"/>
Date Received: <u>6-21-10</u> Permit Number: _____		Permit Date: <u>6-23-10</u> Lease Inspection: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

15-125-30074-01-00

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202



Mark Parkinson, Governor
Thomas E. Wright, Chairman
Joseph F. Harkins, Commissioner
Ward Loyd, Commissioner

June 23, 2010

CEP Mid Continent LLC
15 West 6th St Ste 1100
Tulsa, OK 74119-5415

RE: Drilling Pit Application
Wheeler Hadden Lease Well No. 8-2
NW/4 Sec. 08-34S-15E
Montgomery County, Kansas

Dear Sir or Madam:

District staff has inspected the above referenced location and has determined that the reserve pit shall be constructed **without slots**, the bottom shall be flat and reasonably level, and the free fluids must be removed. The fluids are to be removed from the reserve pit as soon as practical after drilling operations have ceased.

If production casing is set all completion fluids shall be removed from the working pits daily. NO completion fluids or non-exempt wastes shall be placed in the reserve pit.

The fluids should be taken to an authorized disposal well. Please call the District Office at (620) 432-2300 when the fluids have been removed. Please file form CDP-5 (August 2004), Exploration and Production Waste Transfer, within 30 days of fluid removal. Conservation division forms are available through our office and on the KCC web site:
www.kcc.state.ks.us/conservation/forms.

A copy of this letter should be posted in the doghouse along with the approved Intent to Drill.

If you have any questions or concerns please feel free to contact the undersigned at the above address.

Sincerely,

A handwritten signature in black ink that reads "Kathy Haynes".

Kathy Haynes
Environmental Protection and Remediation Department

cc: File

15-125-30074 01-00

Wheeler-Haddan 8-2 Sidetrack Drilling Procedure

Written by: Rodney J. Tate - 04/16/10

CEP Mid-Continent, LLC
NW/4 Section 08-T34S-R15E, Montgomery County, KS
Surface Location: 436' FNL, 2,237' FWL

Objective:

Perforate and acidize the Riverton Coal. Set a CIBP and whipstock and cut a window out of the existing 5.5" casing. Drill a horizontal lateral into the Riverton Coal. Leave lateral as open hole. Run tubing/pump into vertical and return to production.

Note: Prior to whipstock operation, Riverton will be perforated and acidized. Frac is not recommended due to adjacent Mississippian formation. See separate stimulation recommendation for perf guidelines.

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Whipstock Setting Procedure:

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- 1) MIRU workover rig. TOH existing 2.375" tubing, rods, pump.
- 2) RU wireline unit and set top of 5.5" CIBP @ 1,167' MD. Use CCL/GR to correlate depth to ground level. RDMO wireline unit.

NOTE: Ensure window will not be over a collar by measuring length from CIBP to window.
Nearest collars: 1,058', 1,078', 1,110', WINDOW, 1,142', 1,175', 1,208'.

- 3) Load hole, pressure up on casing to ensure CIBP holds pressure and does not leak.
- 4) Pick up 2.875" DP elevators.
- 5) Tally DP & Weatherford/SDI equipment.

NOTE: Ensure there is sufficient weight to set whipstock slips and shear off starter mill bolt. Ensure there is enough DP to reach depth (at least 1,180' less all subs and BHA components).

- 6) PU 2.875" reg. DP joint, SDI sub, box-box 2.875" bit sub, Weatherford starting mill, whipstock. Use anti-galling thread dope for connections. Use 10,000# shear bolt on whipstock.
- 7) MU 'American Open Hole x H-90' thread crossover sub. SDI sub is AOH thread. HWDP is H-90 thread.
- 8) TIH. PU rest of spiral DP, other DP. Use 1,200 ft-lb torque to make connections.
- 9) MU 'H-90 x AOH crossover' to last joint of HWDP.
- 10) Set whipstock down on top of CIBP @ 1,167'. Bottom of window will be @ 1,163'. Top of window will be @ 1,156'. Top of whipstock will be @ 1,155'. Orient whipstock 235 degrees to true north. Set slips by applying 3,900# force on CIBP. After slips are set, shear off whipstock with 10,000#. PU and rotate DP to ensure the whipstock is set and the shear bolt has sheared.
- 11) RU power swivel. Begin milling with 4.75" starter mill using 40-60 rpm with low bit weight.
- 12) Drill approximately 2' with the starter mill. Circulate clean, TOOH.

NOTE: Too much weight may cause bit to bind and the whipstock to rotate. When the bit is one foot below the toe of the whipstock the weight on bit can be gradually increased.

NOTE: Joint directly above mill will incur abnormal stress and should be tagged after use and inspected prior to any further use.

13) PU 4.75" window mill and 2.875" watermelon mill. TIH. Drill another 60', circulate clean, and TOOH, LD tools. Run mills a couple times to make sure window is dressed off.

NOTE: Final TD after drilling starter hole should be 1,173' MD GL.

14) RDMO workover rig. **Please provide orientation paperwork to Rodney Tate immediately after completion of orientation of whipstock.**

AOHS-135 2.875" reg. DP Specs:

Weight: 10.4 lb/ft
Grade: S-135
Nom. wall thickness: 0.362"
Tool joint OD: 3.875"
Tool joint ID: 2.156"
Tube ID: 2.151"
Drift: 1.963"
Rec. make up torque: 5,300 ft-lb.
Internal capacity: 0.189 gal/ft
Thread: 4 threads/inch
Max Hook Load: 385,800 lbs.
Burst/Collapse: 29,700 psi

SL H-90 HWDP Specs:

Weight: 15.1 lb/ft
Nom. Wall thickness: 0.531"
Tool Joint OD: 3.75"
Tool Joint ID: 2.1875"
Tube ID: 2.1875"
Drift: 2.000"
Rec. make up torque: 5,000 ft-lb.
Internal Capacity: 0.184 gal/ft
Thread: 3.5 threads/inch
Max Hook Load: 362,400 lbs.
Burst/Collapse: 30,500 psi

5.5" Casing Specs:

Weight: 15.5 lb/ft
Grade: J-55
ID: 4.950"
Drift: 4.825"

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Horizontal Drilling Procedure:

- 1) MIRU drilling rig. PU 4.75" 537 or 547 Type (or similar) bit, 3.76 adj. housing motor, SDI BHA components, and 2.875" drill pipe. TIH to total measured depth of 1,173' MD GL (1,178' MD KB).
- 2) Gyro-steer drill a 4.75" hole, 235 deg. azimuth at a build rate approximately 42.95°/100' to a TVD of 1,311' or at an inclination of 89.4 deg. (Drill with a gyro on the 1st 60'). Measured depth should be

- 1,386'. Hold angle until Riverton Coal is found. Drill hole with fresh water and polymer sweeps as needed. TOH with build assembly.
- 3) TIH with hold assembly, same bit, 1.69 adj. housing motor, SDI BHA components (including GAIN Module) (or SDI's Smart Motor) and 2.875" DP. Drill 1,868' of coal or more if able at a hold angle of 89.4 deg. Drill lateral with fresh water and polymer sweeps as needed. TOO. LD directional tools and DP.
 - 4) Release drilling rig.

Whipstock Retrieval / CIBP drilling / Run Tubing Procedure:

- 1) MIRU workover rig.
- 2) NU BOP.
- 3) PU retrieving tool, jars, 2.875" tubing. RIH.
- 4) Latch onto whipstock and release.
- 5) TOO, LD tubing, tools, whipstock.
- 6) PU sand line drill. TIH to CIBP and hammer drill out and push to bottom. TOO w/ drill.
- 7) PU mud anchor, working barrel, 2.375" tubing. RIH back to original set depth. ND BOP. Flange up tubing and hang off.
- 8) PU plunger, 0.75" rods, sub, polish rod and RIH.
- 9) RDMO.

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Constellation Energy Partners

Montgomery County, KS

Section 8 - 34S - 15E

Wheeler-Hadden 8-2

Sidetrack Wellpath

Plan: Plan #2

Standard Planning Report

15 April, 2010

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Scientific Drilling International

Planning Report



Database: EDMOKC
Company: Constellation Energy Partners
Project: Montgomery County, KS
Site: Section 8 - 34S - 15E
Well: Wheeler-Hadden 8-2
Wellbore: Sidetrack Wellpath
Design: Plan #2

Local Co-ordinate Reference: Well Wheeler-Hadden 8-2
TVD Reference: 8-2 @ 816.0ft
MD Reference: 8-2 @ 816.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	Montgomery County, KS		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		

Site Section 8 - 34S - 15E, SHL: 410 FNL 738 FWL

Site Position:	Northing: 1,484,627.46 ft	Latitude: 37° 6' 30.597 N
From: Map	Easting: 2,099,969.72 ft	Longitude: 95° 47' 55.639 W
Position Uncertainty: 0.0 ft	Slot Radius: 0"	Grid Convergence: 1.66°

Well Wheeler-Hadden 8-2, Riverton Co

Well Position	+N/-S -21.9 ft	Northing: 1,484,649.02 ft ✓	Latitude: 37° 6' 30.380 N
	+E/-W 1,498.7 ft	Easting: 2,101,468.39 ft	Longitude: 95° 47' 37.139 W
Position Uncertainty	0.0 ft	Wellhead Elevation: 816.0 ft	Ground Level: ✓ 811.0 ft

Wellbore Sidetrack Wellpath

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2010/04/13	3.39	65.60	52,222

Design Plan #2

Audit Notes:

Version:	Phase: PLAN	Tie On Depth: 0.0
-----------------	--------------------	--------------------------

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	235.00

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,178.0	0.00	0.00	1,178.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,386.1	89.40	235.00	1,311.4	-75.7	-108.1	42.95	42.95	0.00	235.00	
3,254.2	89.40	235.00	1,330.9	-1,147.2	-1,638.3	0.00	0.00	0.00	0.00	TGT Wheeler-Hadd

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Scientific Drilling International

Planning Report



Database: EDMOKC
Company: Constellation Energy Partners
Project: Montgomery County, KS
Site: Section 8 - 34S - 15E
Well: Wheeler-Hadden 8-2
Wellbore: Sidetrack Wellpath
Design: Plan #2

Local Co-ordinate Reference: Well Wheeler-Hadden 8-2
TVD Reference: 8-2 @ 816.0ft
MD Reference: 8-2 @ 816.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,178.0	0.00	0.00	1,178.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	9.45	235.00	1,199.9	-1.0	-1.5	1.8	42.95	42.95	0.00	
1,287.3	46.93	235.00	1,275.4	-24.3	-34.6	42.3	42.95	42.95	0.00	
Rowe										
1,300.0	52.40	235.00	1,283.7	-29.8	-42.6	52.0	42.95	42.95	0.00	
1,381.0	87.18	235.00	1,311.2	-72.7	-103.9	126.8	42.95	42.95	0.00	
Riverton										
1,386.1	89.40	235.00	1,311.4	-75.7	-108.1	132.0	42.95	42.95	0.00	
1,400.0	89.40	235.00	1,311.5	-83.7	-119.5	145.9	0.00	0.00	0.00	
1,500.0	89.40	235.00	1,312.6	-141.0	-201.4	245.9	0.00	0.00	0.00	
1,600.0	89.40	235.00	1,313.6	-198.4	-283.3	345.9	0.00	0.00	0.00	
1,700.0	89.40	235.00	1,314.7	-255.7	-365.2	445.8	0.00	0.00	0.00	
1,800.0	89.40	235.00	1,315.7	-313.1	-447.1	545.8	0.00	0.00	0.00	
1,900.0	89.40	235.00	1,316.8	-370.4	-529.0	645.8	0.00	0.00	0.00	
2,000.0	89.40	235.00	1,317.8	-427.8	-610.9	745.8	0.00	0.00	0.00	
2,100.0	89.40	235.00	1,318.9	-485.1	-692.9	845.8	0.00	0.00	0.00	
2,200.0	89.40	235.00	1,319.9	-542.5	-774.8	945.8	0.00	0.00	0.00	
2,300.0	89.40	235.00	1,321.0	-599.9	-856.7	1,045.8	0.00	0.00	0.00	
2,400.0	89.40	235.00	1,322.0	-657.2	-938.6	1,145.8	0.00	0.00	0.00	
2,500.0	89.40	235.00	1,323.0	-714.6	-1,020.5	1,245.8	0.00	0.00	0.00	
2,600.0	89.40	235.00	1,324.1	-771.9	-1,102.4	1,345.8	0.00	0.00	0.00	
2,700.0	89.40	235.00	1,325.1	-829.3	-1,184.3	1,445.8	0.00	0.00	0.00	
2,800.0	89.40	235.00	1,326.2	-886.6	-1,266.2	1,545.8	0.00	0.00	0.00	
2,900.0	89.40	235.00	1,327.2	-944.0	-1,348.1	1,645.8	0.00	0.00	0.00	
3,000.0	89.40	235.00	1,328.3	-1,001.3	-1,430.1	1,745.8	0.00	0.00	0.00	
3,100.0	89.40	235.00	1,329.3	-1,058.7	-1,512.0	1,845.8	0.00	0.00	0.00	
3,200.0	89.40	235.00	1,330.4	-1,116.0	-1,593.9	1,945.8	0.00	0.00	0.00	
3,254.2	89.40	235.00	1,330.9	-1,147.2	-1,638.3	2,000.0	0.00	0.00	0.00	

TGT Wheeler-Hadden 8-2

Design Targets

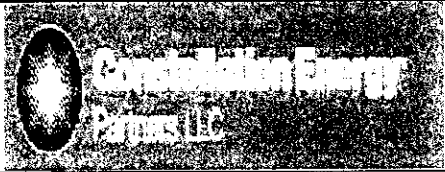
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
TGT Wheeler-Hadder	0.00	0.00	1,330.9	-1,147.2	-1,638.3	1,483,454.80	2,099,864.07	37° 6' 19.038 N	95° 47' 57.362 W
- hit/miss target									
- Shape									
- Point									

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,035.0	1,035.0	Weir-Pitt		0.60	235.00
1,287.3	1,275.4	Rowe		0.60	235.00
1,381.0	1,311.2	Riverton		0.60	235.00

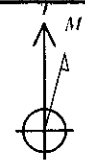
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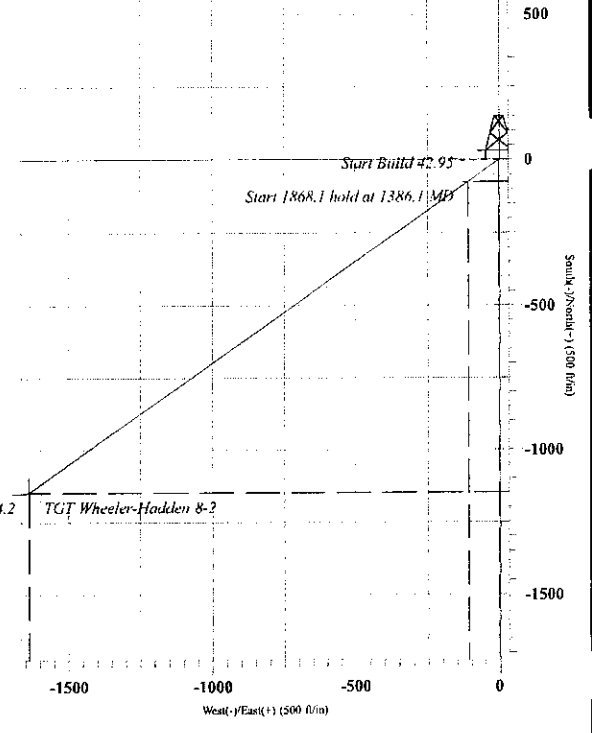
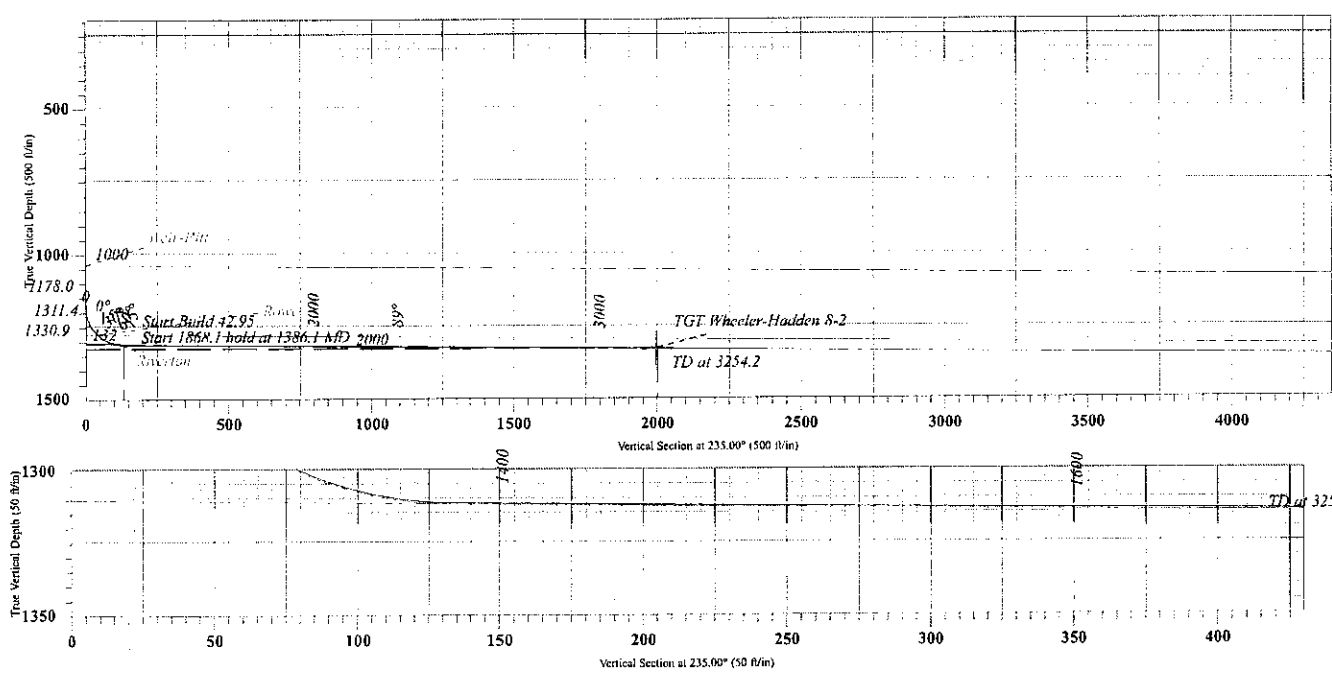


Constellation Energy Partners

Field: Montgomery County, KS
 Site: Section 8 - 34S - 15E
 Well: Wheeler-Hadden 8-2
 Wellpath: Sidetrack Wellpath
 Plan: Plan #2



Produced from Survey
 Magnetic North 8.99°
 Magnetic Declination
 Magnetic North of 1983
 Magnetic North of 1983
 Magnetic North of 1983
 Magnetic North of 1983



WELL DETAILS: Wheeler-Hadden 8-2			
+N-S	+E-W	Northing	Easting
0.0	0.0	1404649.02	2101466.35
		Longitude	S&U
		37° 6' 30.380 N	95° 47' 37.139 W

Vertical Section Azimuth	
	235.00



Plan: Plan #2 (Wheeler-Hadden 8-2/Sidetrack Wellpath)

TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Formation
TGT Wheeler-Hadden 8-2	1330.9	-1147.2	-1638.3	1403454.80	2099847.07	

SECTION DETAILS									
ABD	Inc	Act	TVD	+N-S	+E-W	Dlog	TFrise	VrSec	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1178.0	0.00	0.00	1178.0	0.0	0.0	0.00	0.00	0.0	
1386.1	89.40	235.00	1311.4	-75.7	-108.1	42.93	235.00	132.0	
3254.2	89.40	235.00	1330.9	-1147.2	-1638.3	0.00	0.00	2000.0	TGT Wheeler-Hadden 8-2

Created By: Genie Lightfoot Date: 9:29, April 15 2010

FORMATION TOP DETAILS				
TVDPath	MDPath	Formation	DipAngle	DipDir
1035.0	1035.0	Weir-Pltt	0.60	235.00
1275.4	1287.3	Rowe	0.60	235.00
1311.2	1381.0	Riverton	0.60	235.00

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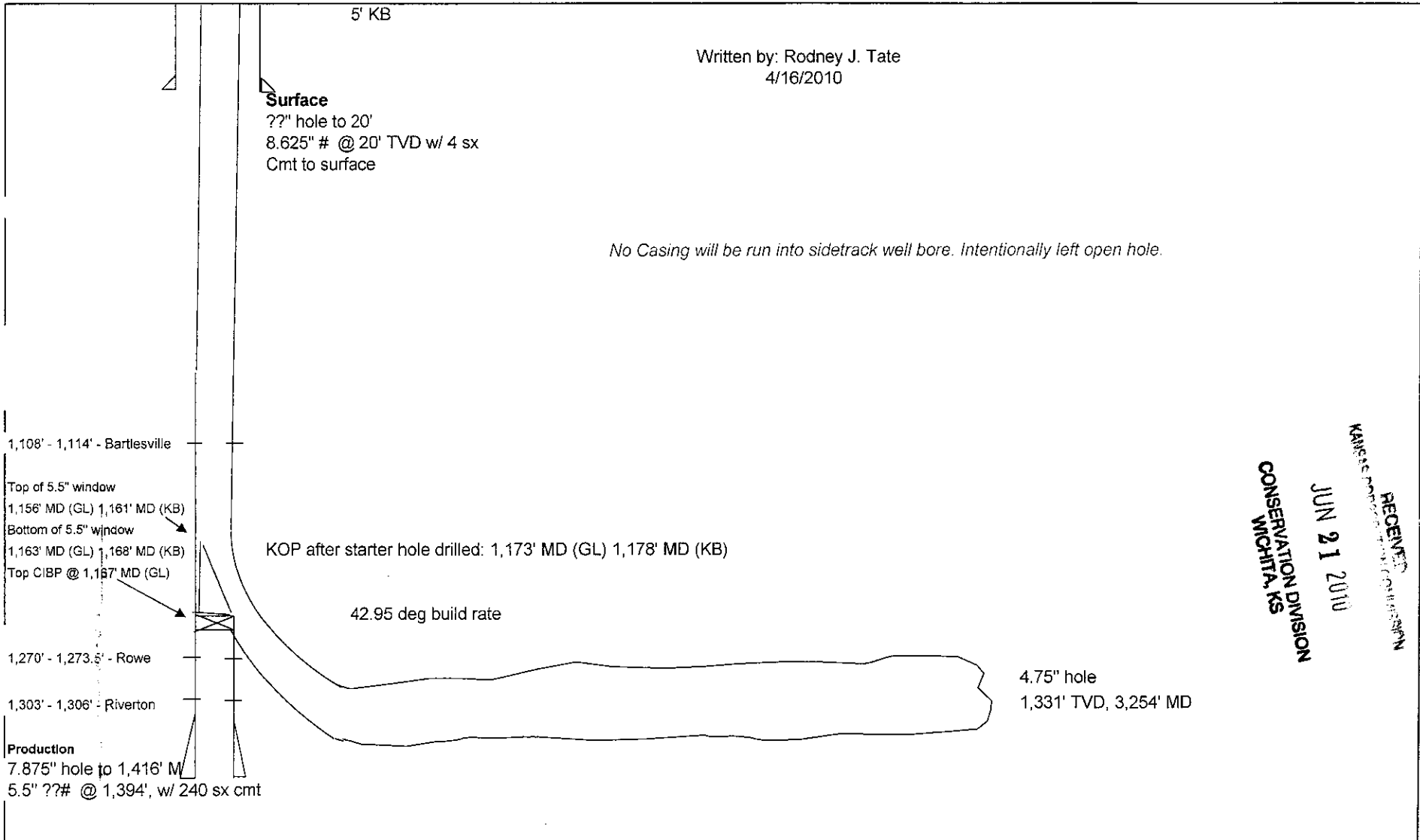
JUN 21 2010

CONSERVATION DIVISION
 WICHITA, KS

Proposed Re-entry Wheeler-Haddan 8-2 Wellbore Diagram

Actual Surface Loc: NW/4 Sec 08 T34S – R15E – Kanmap
 Actual Surface Loc: 436' FNL, 2,237' FWL, ELEV 811'
 Proposed BHL for Riverton Lateral: NW/4 Sec 08 T34S – R15E – sunwest
 Proposed BHL, Start of Target: 512' FNL, 2,129' FWL Sec 08
 Proposed BHL, End of Target: 1,583' FNL, 599' FWL Sec 08, 235° Azim
 Proposed Vertical Section: 2,000'
 Proposed Lateral Length: 1,868'
 Horizontal Sidetrack Riverton Coal

Casing	Size	Wt	# Jts.	Length	MD	TVD
Surface Casing	8.625			20.00	20.00	20
Orig. Production Csg	5.5			1,394.00	1,394.00	1,394



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