STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
GORDON CREEK ST SW-7-14-8

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
UNDESIGNATED

4. TYPE OF WELL
Gas Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
GORDON CREEK, LLC

7. OPERATOR PHONE
403 453-1608

8. ADDRESS OF OPERATOR
1179 E Main #345, Price, UT, 84501

9. OPERATOR E-MAIL
rironside@thunderbirdenergy.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
ML-46537

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ◉ FEE ○

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
State of Utah Division of Wildlife Resources

14. SURFACE OWNER PHONE (if box 12 = 'fee')
801-538-4866

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
1594 W. North Temple, Suite 2110, ,

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
theresemeyer@utah.gov

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ◉

19. SLANT
VERTICAL ◉ DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	833 FSL 2011 FWL	SESW	7	14.0 S	8.0 E	S
Top of Uppermost Producing Zone	833 FSL 2011 FWL	SESW	7	14.0 S	8.0 E	S
At Total Depth	833 FSL 2011 FWL	SESW	7	14.0 S	8.0 E	S

21. COUNTY
CARBON

22. DISTANCE TO NEAREST LEASE LINE (Feet)
833

23. NUMBER OF ACRES IN DRILLING UNIT
160

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
3395

26. PROPOSED DEPTH
MD: 4161 TVD: 4161

27. ELEVATION - GROUND LEVEL
7529

28. BOND NUMBER
RLB0010790

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
91-5193

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 450	24.0	J-55 Casing/Tubing	8.7	Class G	212	1.142	15.84
PROD	7.875	5.5	0 - 4161	17.0	N-80 LT&C	10.0	Class G	362	2.69	10.7

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Barry Brumwell **TITLE** Vice President-Operations **PHONE** 403 453-1608

SIGNATURE **DATE** 09/20/2011 **EMAIL** bbrumwell@thunderbirdenergy.com

API NUMBER ASSIGNED
43007502420000

APPROVAL

Permit Manager

RECEIVED: October 25, 2011

DRILLING PLAN and PROGRAM

Attached to UDOGM Form 3

GORDON CREEK, LLC.
SW-7-14-8
832.53' FSL & 2,010.67' FWL
SE/4 of SW/4 of Section 7-14S-8E
Carbon County, Utah

***** NOTE: AN APD FOR THIS WELL WAS APPLIED FOR AND APPROVED ON APRIL 19th, 2007 AND GRANTED AN API # OF 43-007-31232. THE LOCATION WAS CONSTRUCTED BUT THE WELL WAS NEVER DRILLED AND THAT APPLICATION HAS EXPIRED. THIS APPLICATION IS AN UPDATE TO THE EXPIRED APPLICATION.***

1. *SURFACE GEOLOGIC FORMATION*

Emery Sandstone Member of the Mancos Shale

2. *ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS*

Mancos Blue Gate Shale top:	1,787' KB
Lower Blue Gate Bentonite Marker:	3,556' KB
Ferron SS:	3,691' KB

3. *PROJECTED GAS & H_20 ZONES*

While no groundwater is expected to be encountered, groundwater *may* be encountered within the Emery Sandstone Member of the Mancos Shale. Any water encountered will be reported on a Form 7 "Report of Water Encountered During Drilling". All indications of usable water will be reported.

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones and prospectively valuable mineral deposits.

Surface casing will be tested to 500 psi and the Production casing will be tested to 1,500 psi, with a minimum of 1 psi/ft of the last casing string setting depth.

4. *PROPOSED CASING AND CEMENTING PROGRAMS*

Refer to EXHIBIT "A" for casing design information

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A. CASING PROGRAM

HOLE SIZE (in)	CASING SIZE (in)	WEIGHT (#/ft)	GRADE	JOINT	DEPTH SET (ft)
17	12 $^{3}/_{4}$	40.5	H-40	ST&C	0 – 40
11	8 $^{5}/_{8}$	24.00	J-55	ST&C	0 – 450
7 $^{7}/_{8}$	5 $^{1}/_{2}$	17.00	N-80	LT&C	0 – 4,161

B. CEMENTING PROGRAM

The 8 $^{5}/_{8}$" surface casing will be set and cemented full length with approximately 212 sacks of 0-1-0 Class "G" cement + 2% $CaCl_2$ + 0.25 #/sk of cellophane flakes mixed at 15.84 ppg (yield = 1.142 ft^3/sk); volume based on nominal hole size + 100% excess. The cement will be circulated back to surface. In the event that the cement is not circulated back to surface, a 1" top out job will be performed with 0-1-0 Class "G" cement + 2% $CaCl_2$ + 0.25 #/sk of cellophane flakes mixed at 15.84 ppg (yield = 1.142 ft^3/sk).

The 5 ½" production casing will be set and cemented full length using 362 sx of 0-1-0 "G" Light Weight cement incorporating 42% "SuperBall" centrospheres to lighten the cement density + 3% NaCl, 0.3% Air-out, 1.5% SFl-300, 0.2% SCR-2. The cement will be mixed at 10.7 ppg (yield = 2.69 ft3/sk); volume based on nominal hole size + 35% excess. The cement will be circulated back to surface.

THE FOLLOWING SHALL BE ENTERED INTO THE DRILLER'S LOG:

I. Blowout preventer pressure tests, including test pressures and results;
II. Blowout preventer tests for proper functioning;
III. Blowout prevention drills conducted;
IV. Casing run, including size, grade, weight, and depth set;
V. How the pipe was cemented, including amount of cement, type, whether cement was circulated back to surface, location of the cementing tools, etc.;
VI. Waiting on cement time for each casing string;
VII. Casing pressure tests after cementing, including test pressures and results.

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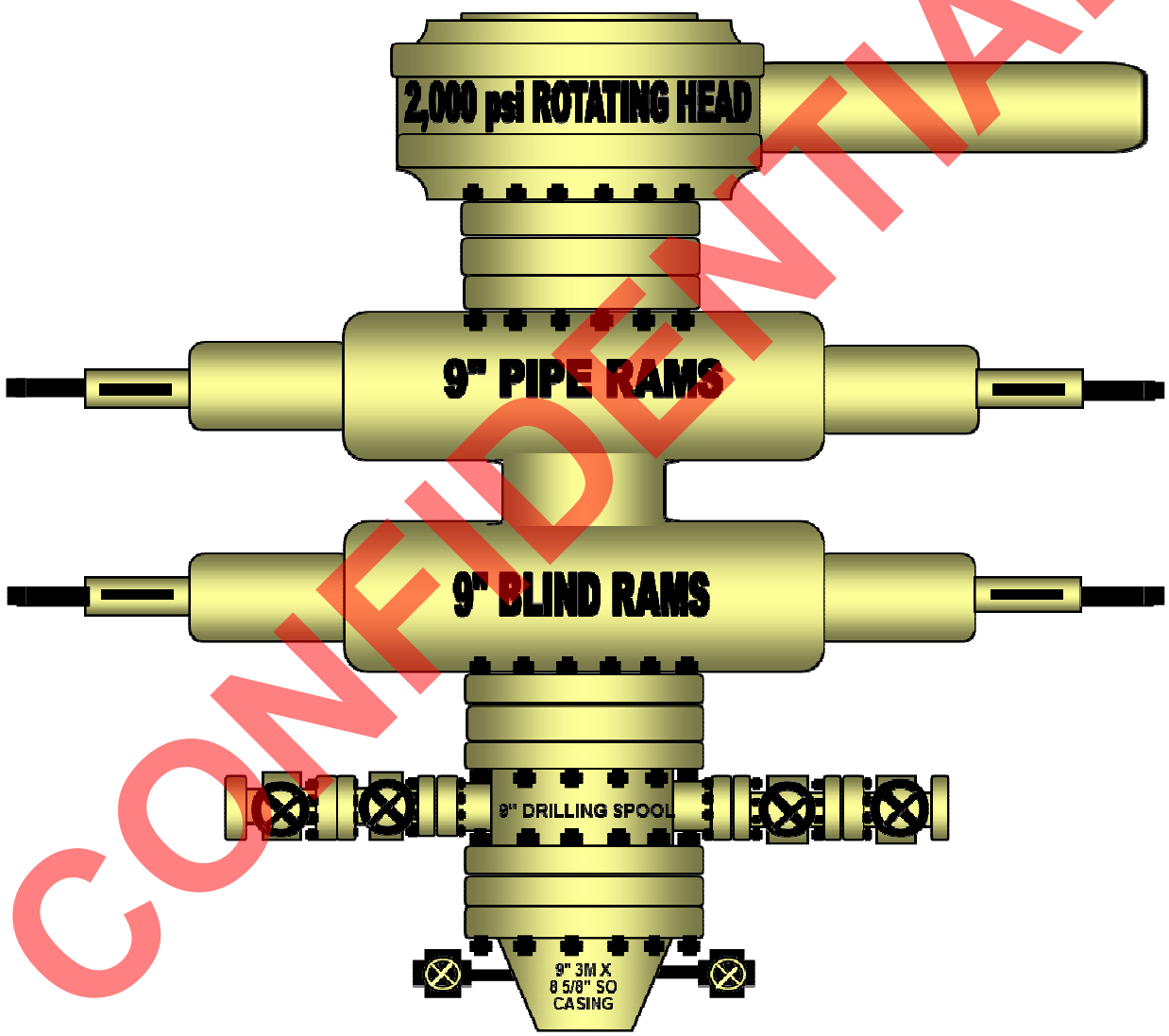
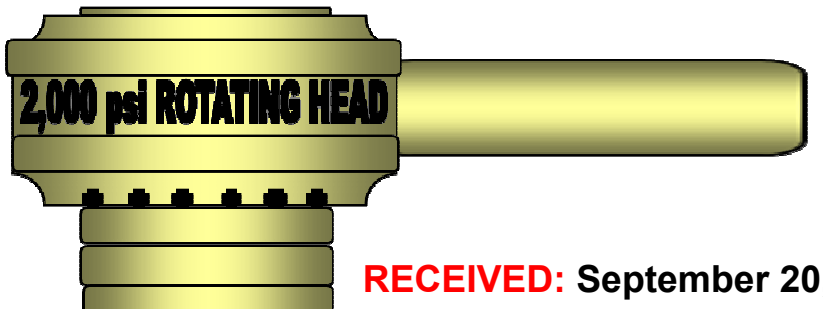
5. *THE OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL*

Below is a schematic diagram of the blowout preventer equipment requirements for this drilling operation. A 9' X 3,000 psi double gate BOP will be used with a 2,000 psi Rotating Head utilized for air drilling operations. ALL BOPE will be pressure tested to the required operating pressures of each component. All tests will be recorded in the Driller's Report Book. The physical operation of each component of the BOP's will be checked on each trip.





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3,000 psi AIR DRILLING BOP STACK

6. THE TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING FLUIDS / MUDS

0' – 450'	11" Surface Hole	Drill with air, will mud-up if necessary.
450' – TMD	7 $^{7}/_{8}$" Main Hole	Drill with air, 500 psi @ 1500-2300 ft^3/min

Will "mud up" at Total Depth to run logs and casing. Will mud up sooner if hole conditions dictate. It is anticipated that drilling fluid densities of 8.3 – 8.7 #/gal will be utilized when "mudded up".

7. THE TESTING, LOGGING AND CORING PROGRAMS

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Open hole logs consisting of a CNL-LDT-GR-GAL will be run from above the Blue Gate Shale to TMD. A DIL-GR-SP log will be run from TMD to surface.

ANY ANTICIPATED ABNORMAL PRESSURES or TEMPURATURES

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is approximately 1250 psi maximum. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

8. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

The well will be drilled between late September and the end of November, 2011. Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

a) prior to beginning construction;
b) prior to spudding;
c) prior to running any casing or BOP tests;
d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall IMMEDIATELY be reported to the Division of Oil, Gas & Mining.

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EXHIBIT "A"

CASING DESIGN
GORDON CREEK ST SW-7-14-8
PROJECTED TD: 4,161' KB

SURFACE CASING (0' – 450')

Diameter	8 $^{5}/_{8}$"
Interval	450' to Surface
Weight	24 #/ft
Grade	J-55
Coupling	ST&C

Burst Design

The recommended practice is to base on the burst rating of the casing string in psi to be at least numerically equal to 0.225 psi/ft times the setting depth in feet of the next casing string. The rating chosen was also intended to match the BOPE pressure rating and exceed the highest possible surface pressure of approximately 936 psig.

Burst required =	0.225 x 4,161	936 psig
Burst rating of casing string:	2,950 psi	
Safety factor =	***2,950 psi / 825 psi =***	***3.15***

Collapse Design

Collapse pressure is negligible on this surface string.

Tension Design

String weight in air	10,800 #
Tensile strength of joint	244,000 lbf
Safety factor of joint	22.6

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PRODUCTION CASING (0' – 4,161')

Diameter	5 ½"
Interval	4,161' to surface
Weight	17 #/ft
Grade	N-80
Coupling	LT&C

Burst Design

An internal pressure gradient of 0.4863 psi/ft has been used as a basis for these calculations.

Burst rating of casing string:	7,740 psi	
Burst rating required:	4,161' X 0.4863 =	2,023 psig
Safety factor =	***7,740 psi / 2,023 psi =***	***3.83***

Tension Design

1.6 Safety factor of top joint, neglecting buoyancy and without over pull.

Tensile rating of casing joint:	348,000 lbf	
String Weight:	4,161' X 17 #/ft =	70,737 lbf
Safety factor =	***348,000 lbf / 70,737 lbf =***	***4.91***

Collapse Design

Maximum anticipated mud weight is 10.0 ppg based on a mud gradient of 0.53 psi/ft.

Collapse rating of csg string:	6,280 psi	
Collapse rating required:	4,161' X 0.53 psi/ft =	2,205 psi
Safety factor =	***6,280 psi / 2,205 psi =***	***2.85***

Production Casing Design

Interval (ft)	Weight (#/ft)	Grade	S.F. Burst	S.F. Collapse	S.F. Tension
3,669' – 0'	17	N-80	3.83	4.91	2.85

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MULTI-POINT SURFACE USE PLAN

Attached to UDOGM Form 3

GORDON CREEK, LLC.
SW-7-14-8
832.53' FSL & 2,010.67' FWL
SE/4 of SW/4 of Section 7-14S-8E
Carbon County, Utah

1. EXISTING ROADS

a. We do not plan to change, alter or improve upon ANY existing State or County roads.
b. Existing roads will be maintained in the same or better condition.

2. PLANNED ACCESS

a. No new access is required, as this well was previously permitted and the access and location were built in accordance with that permit. The current route will be re-conditioned to ensure adequate access.
b. If the well is productive, the road will be maintained as necessary to prevent soil erosion and maintain year-round traffic. However, we may allow the access road to be gated and closed off during winter production operations and access the site with a snowmobile or other winter ATV.
c. Maximum Width: 24' travel surface with 27' base.
d. Maximum grade: 25%
e. Road culverts may be required. Surface water will be diverted around the well pad as necessary.
f. Any power lines and / or pipelines to/from the well will follow the proposed access route.

3. LOCATION OF EXISTING WELLS

a. As shown on the Civil Location Survey Plat for the well.

4. LOCATION OF EXISTING and/or PROPOSED FACILITIES

a. If the well is a producer, installation of required production facilities will follow the drilling and completion phase of well operations. Buried flow lines, water lines and electrical cable will follow the proposed access road and other existing access ROWs to the intersection with Thunderbird's main 12' pipeline corridor.
b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

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5. LOCATION AND TYPE OF WATER SUPPLY

a. All water to be used for drilling operations will be obtained from area water wells drilled and owned by Gordon Creek, LLC.
b. Water will be transported to location by truck over approved access roads.

6. SOURCE OF CONSTRUCTION MATERIALS

a. Any necessary construction materials needed will be obtained locally from a private source and hauled to the location on existing roads.
b. No construction or surfacing materials will be taken from Federal / Indian lands.

7. METHODS FOR HANDLING WASTE DISPOSAL

a. As the well is expected to be air drilled, a small reserve pit will be constructed with a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit will not be lined unless conditions encountered during construction warrant it or if deemed necessary by the DOGM Representative during pre-site inspection. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
b. Following drilling, the liquid waste will be evaporated from the pit and the pit backfilled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
c. In the event that wellbore fluids are produced, any oil will be retained in tanks until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
d. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

8. ANCILLARY FACILITIES

a. We anticipate no need for ancillary facilities with the exception of a trailer to be located on the drill site.

RECEIVED: September 20, 2011

9. WELLSITE LAYOUT

a. Gordon Creek, LLC. has reduced to surface lease size (area stripped and levelled) for this location to the smallest lease size possible to accommodate the required drilling rig and support equipment.
b. Any available topsoil will be removed from the location and stockpiled. The location of the rig, mud tanks, reserve and berm pits and all other drilling support equipment will be located as per common oilfield rig layouts.
b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the blooie pit. The blooie pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
c. Access to the well pad will be as shown on the Civil Location Survey Plat for the well.
d. Natural runoff will be diverted around the well pad.

10. PLANS FOR RESTORATION OF SURFACE

a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to minimize possible erosion.
b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.
d. Rehabilitation will commence following completion of the well. Rat and mouse holes will be filled in immediately upon release of the drilling rig from the location. If the well site is to be abandoned, all disturbed areas will be re-contoured to the natural terrain found prior to location construction.

11. SURFACE OWNERSHIP

a. The well site and access road are on and across lands originally owned through the State of Utah School and Institutional Trust Lands Administration and covered by Surface Use Agreement # ML-46537. ***Under this Surface Use Agreement AND the original APD Approval, this well location and access road were constructed and remain in a rig-ready state.*** Since the expiration of the original APD for this well, ownership of these lands have since been transferred to the State of Utah Department of Natural Resources, Division of Wildlife Resources, 1594 W. North Temple, Suite 2110, P.O. Box 146301, Salt Lake City, Utah, 84114-6301. The operator shall contact the landowner and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities.

RECEIVED: September 20, 2011

12. OTHER INFORMATION

a. The primary surface use is wildlife habitat. The nearest dwelling is approximately 12 Miles east (Price, Utah). The nearest live water is an unnamed natural spring located approximately ½ Mile East of the proposed well location.
b. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed and piled downhill from the topsoil stockpile location.
c. The back-slope and fore-slope will be constructed no steeper than 4:1.
d. All equipment and vehicles will be confined to the access road and well pad.
e. A complete copy of the approved Application for Permit to Drill (APD,) including all conditions and stipulations shall be on the well-site during construction and drilling operations.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the Division of Oil, Gas & Mining.

13. COMPANY REPRESENTATIVE

Barry Brumwell, C.E.T.
Vice President, Operations
Gordon Creek LLC., a wholly owned subsidiary of
Thunderbird Energy Corp.
#550, 1010 – 1st Street S.W.
Calgary, Alberta, Canada
(403) 453-1608 (office)
(403) 818-0696 (mobile)
bbrumwell@thunderbirdenergy.com

14. CERTIFICATION

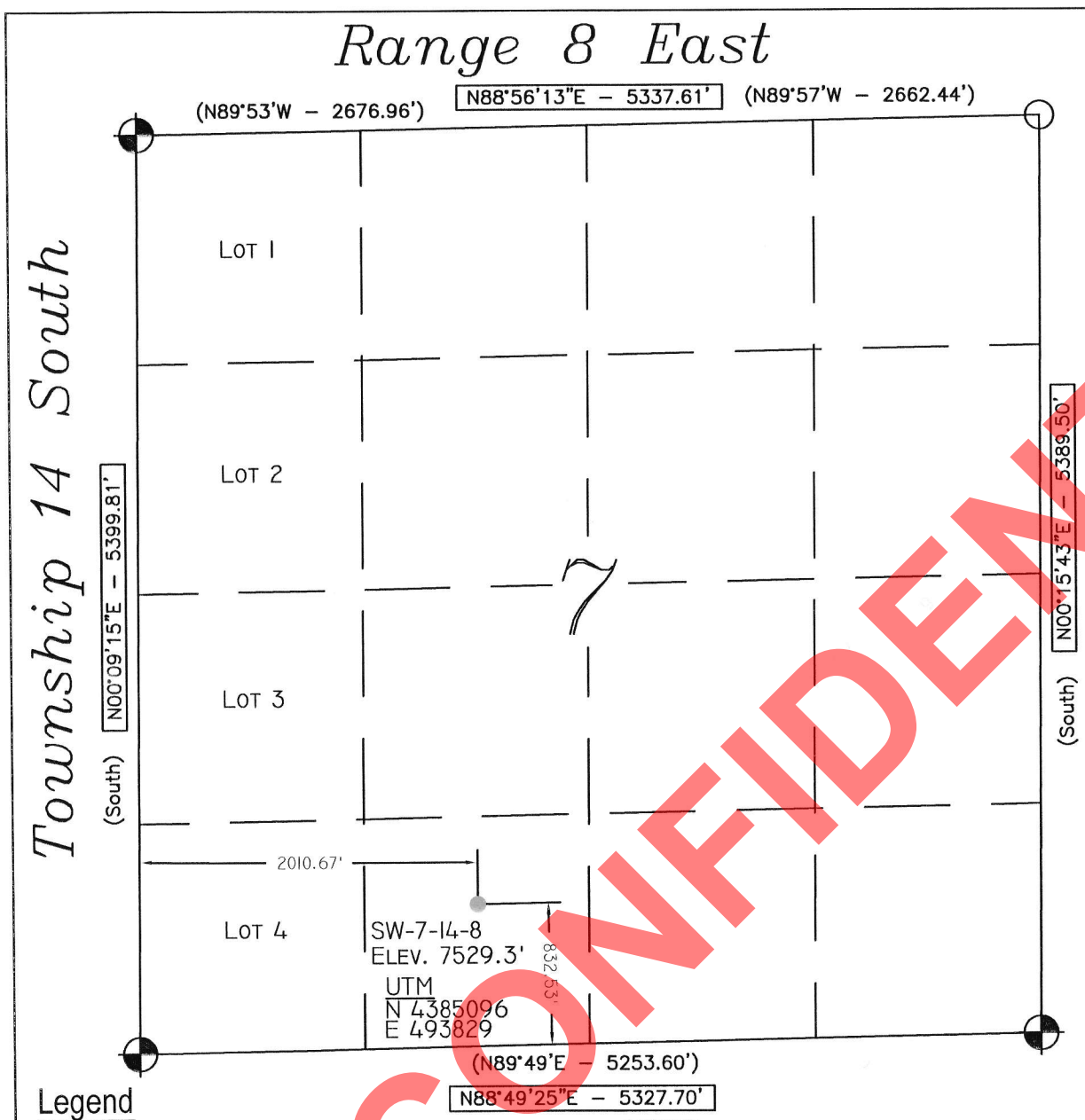
I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by Gordon Creek, LLC. and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

_____
DATE

_____
Barry Brumwell, C.E.T.
Vice President, Operations
Gordon Creek LLC. / Thunderbird Energy Inc.

RECEIVED: September 20, 2011

API Well Number: 43007502420000



Location:
The well location was determined using a Trimble 5700 GPS survey grade unit.

Basis of Bearing:
The Basis of Bearing is GPS Measured.

GLO Bearing:
The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

Basis of Elevation:
Basis of Elevation of 7400.00' being at the Northeast Section Corner of Section 6, Township 14 South, Range 8 East, Salt Lake Base and Meridian, as shown on the Jump Creek Quadrangle 7.5 minute series map.

Description of Location:
Proposed Drill Hole located in the SE/4 SW/4 of Section 7, T14S, R8E, S.L.B.&M., being North 832.53' from South Line and East 2010.67' from West Line of Section 7, T14S, R8E, Salt Lake Base and Meridian.

Surveyor's Certificate:
I, John S. Huefner, a Professional Land Surveyor, holding Certificate No. 144842 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.

Professional Land Surveyor
No. 144842
JOHN S. HUEFNER
8-25-11
State of Utah

TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talonetv.net

THUNDERBIRD ENERGY

SW-7-14-8
Section 7, T14S, R8E, S.L.B.&M.
Carbon County, Utah

Drawn By: N. BUTKOVICH	Checked By: A.P.C./J.S.H.
Drawing No. A-1	Date: 8/25/11
	Scale: 1" = 1000'
Sheet 1 of 3	Job No. 4886

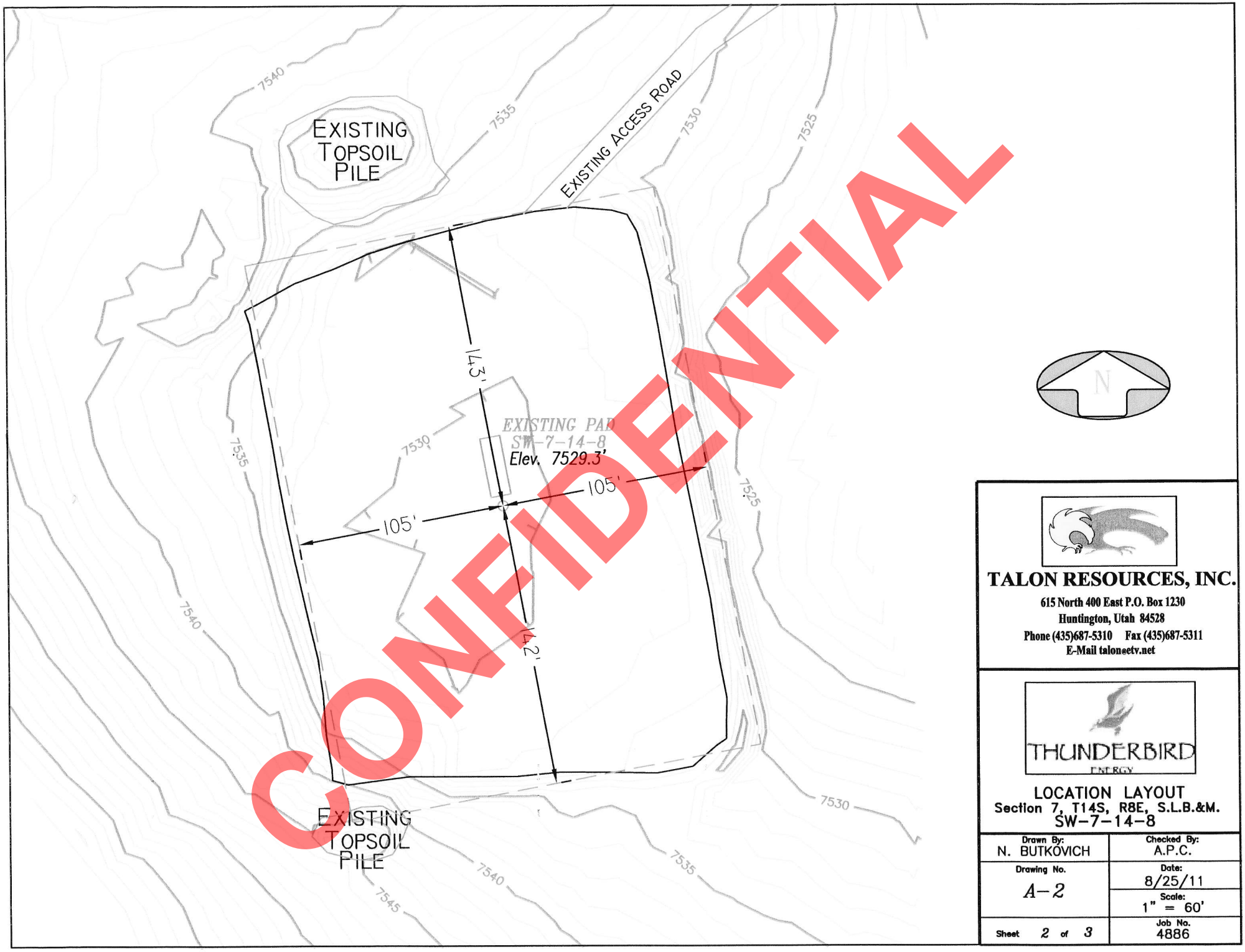
Legend
- Drill Hole Location
- Brass Cap (Found)
- Stone (Found)
- Calculated Corner
- ( ) GLO
- GPS Measured

NOTES:
1. Dimensions are GPS measured unless noted otherwise.
2. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

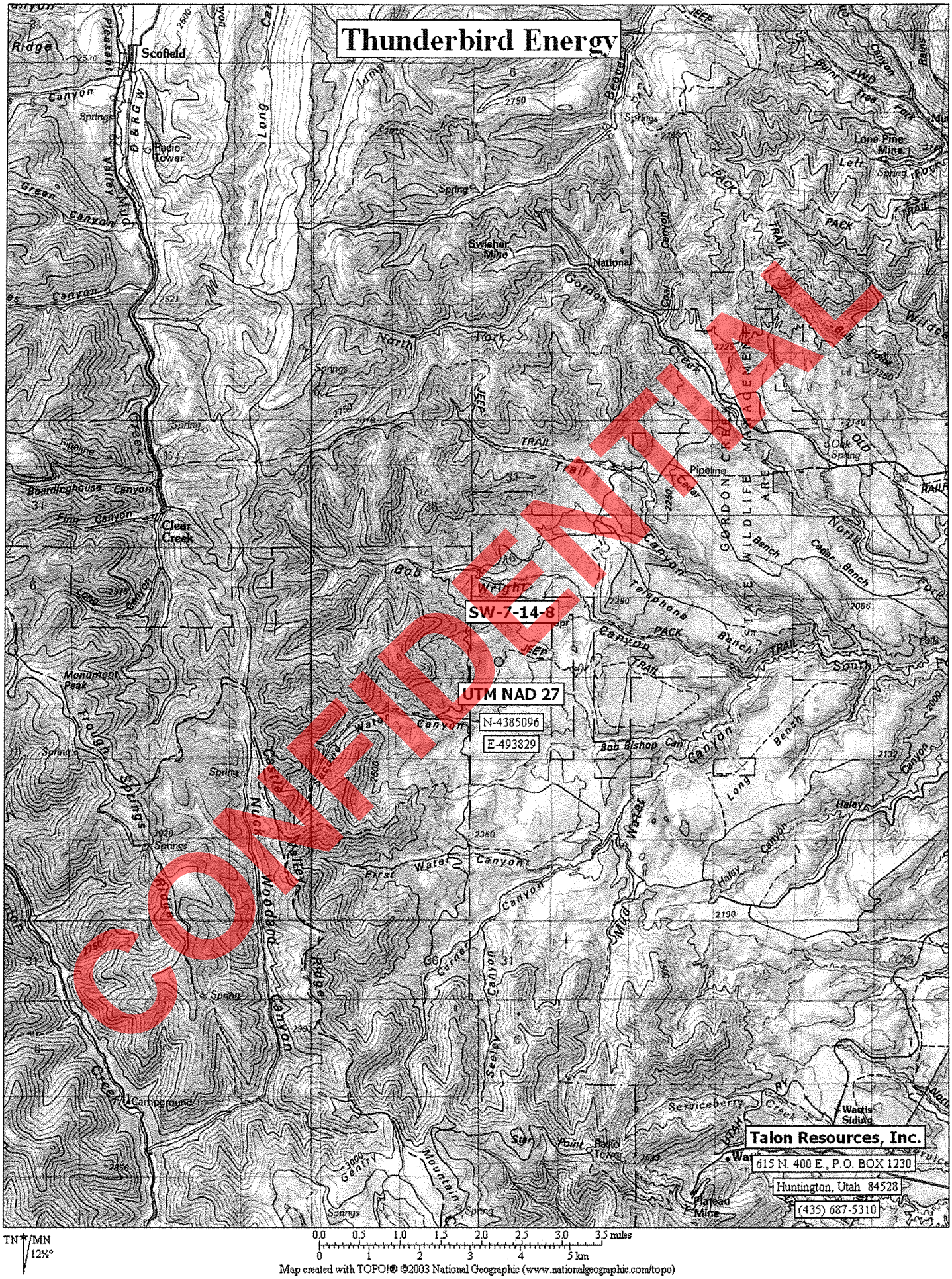
LAT / LONG
39°37'02.933" N
111°04'18.814" W

GRAPHIC SCALE
0 500' 1000'
(IN FEET)
1 inch = 1000 ft.

API Well Number: 43007502420000



API Well Number: 43007502420000



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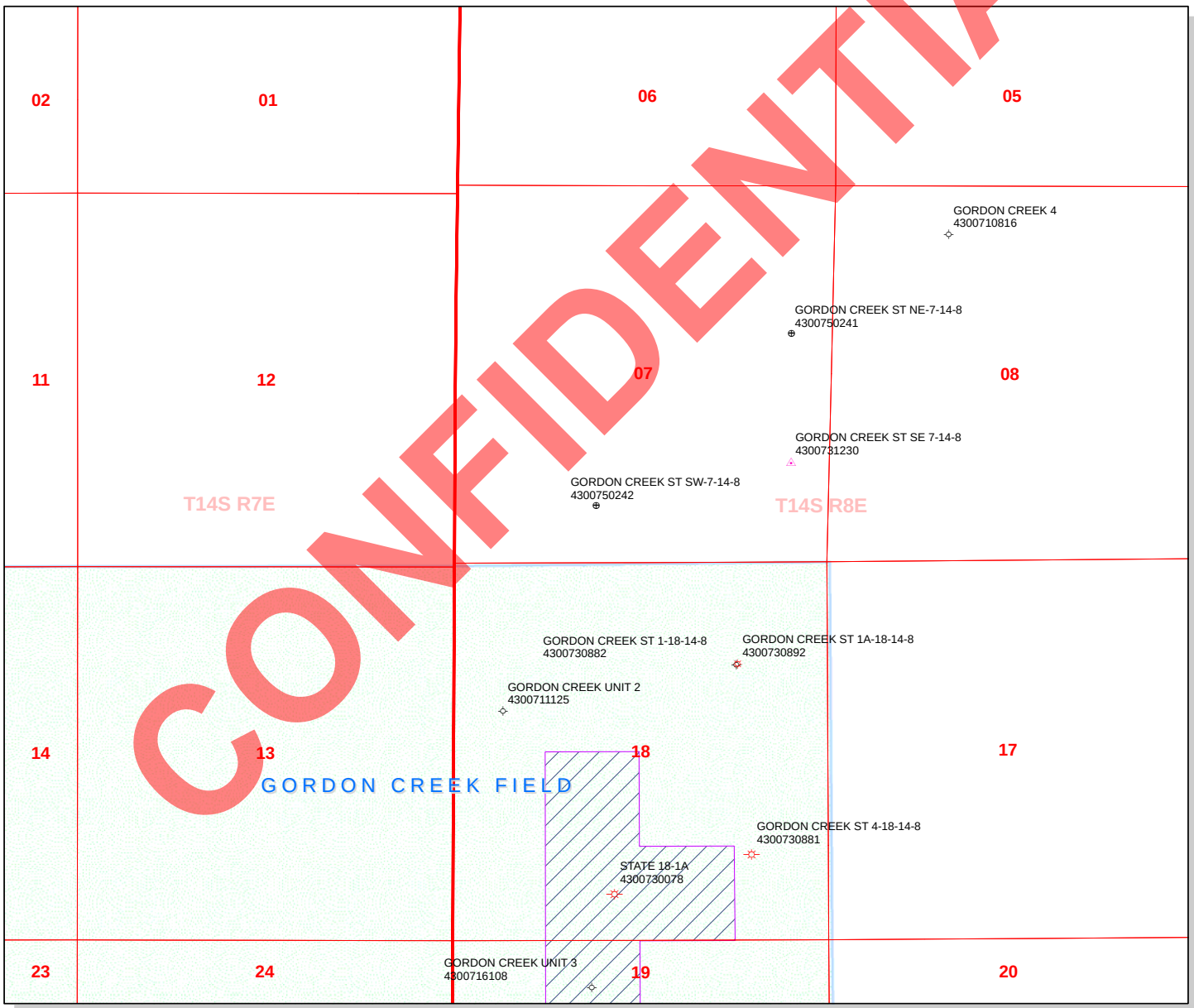


API Number: 4300750242

Well Name: GORDON CREEK ST SW-7-14-8

Township T1.4 . Range R0.8 . Section 07

Meridian: SLBM

Operator: GORDON CREEK, LLC

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

N

1,900 950 0 1,900 Feet

1:17,419

RECEIVED: September 22, 2011

API Well Number: 43007502420000

BOPE REVIEW GORDON CREEK, LLC GORDON CREEK ST SW-7-14-8 43007502420000

Well Name	GORDON CREEK, LLC GORDON CREEK ST SW-7-14-8 430			
String	SURF	PROD		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	450	4161		
Previous Shoe Setting Depth (TVD)	0	450		
Max Mud Weight (ppg)	8.7	10.0		
BOPE Proposed (psi)	500	3000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	1700	7.9		

Calculations	**SURF String**	**8.625**	**"**	
Max BHP (psi)	.052*Setting Depth*MW=	204		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	150	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	105	YES	OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	105	NO	OK
Required Casing/BOPE Test Pressure=		450	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		0	psi	*Assumes 1psi/ft frac gradient

Calculations	**PROD String**	**5.500**	**"**	
Max BHP (psi)	.052*Setting Depth*MW=	2164		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1665	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1249	YES	OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1348	NO	Reasonable
Required Casing/BOPE Test Pressure=		3000	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		450	psi	*Assumes 1psi/ft frac gradient

Calculations	**String**		**"**	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	
***Max Pressure Allowed @ Previous Casing Shoe=**			psi	*Assumes 1psi/ft frac gradient

Calculations	**String**		**"**	
Max BHP (psi)	.052*Setting Depth*MW=			
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO	
Required Casing/BOPE Test Pressure=			psi	

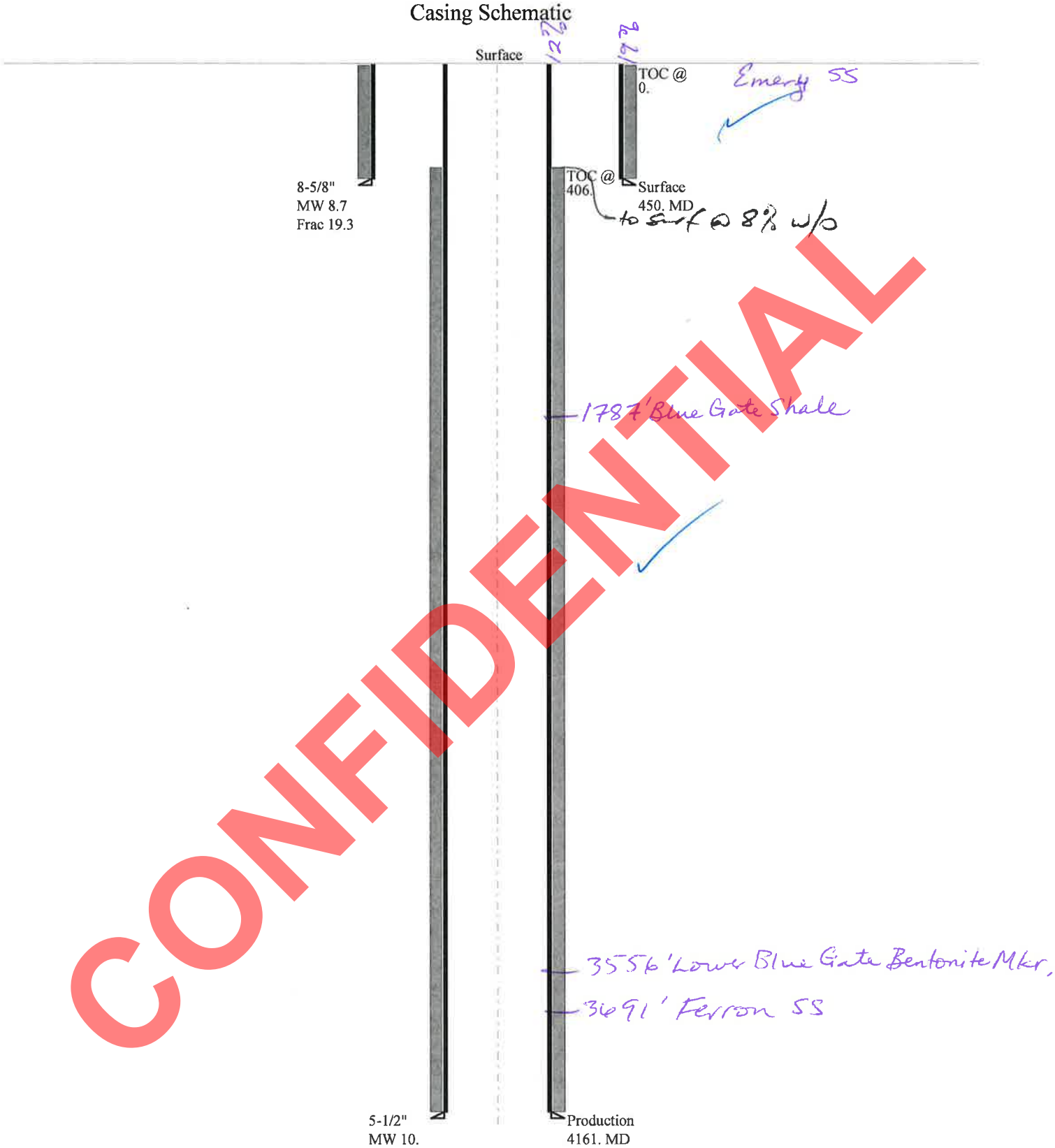
RECEIVED: October 17, 2011

***Max Pressure Allowed @ Previous Casing Shoe=**		psi *Assumes 1psi/ft frac gradient

RECEIVED: October 17, 2011

43007502420000 GORDON CREEK ST SW-7-14-8

Casing Schematic



Well name:	**43007502420000 GORDON CREEK ST SW-7-14-8**
Operator:	**GORDON CREEK, LLC**
String type:	Surface
Project ID:	43-007-50242
Location:	CARBON COUNTY

Design parameters:

Collapse

Mud weight: 8.700 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 396 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 450 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.70 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on air weight.

Neutral point: 391 ft

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 80 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:

Next setting depth: 4,161 ft

Next mud weight: 10.000 ppg

Next setting BHP: 2,162 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 450 ft

Injection pressure: 450 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	450	8.625	24.00	J-55	ST&C	450	450	7.972	2317

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	203	1370	6.736	450	2950	6.56	10.8	244	22.59 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: October 5,2011
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 450 ft, a mud weight of 8.7 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43007502420000 GORDON CREEK ST SW-7-14-8**
Operator:	**GORDON CREEK, LLC**
String type:	Production
Project ID:	43-007-50242
Location:	CARBON COUNTY

Design parameters:

Collapse

Mud weight: 10.000 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,246 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 2,162 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.60 (B)

Tension is based on air weight.

Neutral point: 3,530 ft

Environment:

H2S considered? No

Surface temperature: 74 °F

Bottom hole temperature: 132 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 100 ft

Cement top: 406 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	4161	5.5	17.00	N-80	LT&C	4161	4161	4.767	23453

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2162	6290	2.910	2162	7740	3.58	70.7	348	4.92 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: October 5,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 4161 ft, a mud weight of 10 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator GORDON CREEK, LLC
Well Name GORDON CREEK ST SW-7-14-8
API Number 43007502420000 **APD No** 4671 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SESW **Sec** 7 **Tw** 14.0S **Rng** 8.0E 833 FSL 2011 FWL
GPS Coord (UTM) **Surface Owner** State of Utah Division of Wildlife Resources

Participants

M. Jones (UDOGM), Barry Brumwell, Steve Lessar (Tbird), A. Childs, E. Bonner (SITLA), N. Nielson (DWR).

Regional/Local Setting & Topography

This proposed new wellbore is planned on previously disturbed surface. The site is in the upper Gordon Creek area of Carbon County, Utah. Topography changes dramatically in the area. The exact location of the well pad is sloped to the east. A well pad was originally permitted at this site and has had the permitt recinded due to inactivity. The surface has since changed ownership from SITLA to DWR. This posses issues to surface use agreements. Thunderbird and DWR are currently in negotiations in regards to surface use agreements. An ammendment to the surface use agreement that SITLA had is being drafted and hoped to have signitures in place by the end of this week to the first of next week. Both parties are in cooperation at this point. The pad is constructed and there are no plans to disturb the surface beyond the existing disturbances. Pits were reclaimed awhile back and at this point a central pit for multiple wells is planned at a different location from this pad. The cuttings will be contained on this location inside portable metal tanks. The cuttings will be trucked from the tanks to the central pit for more permanent storage and disposal. Drainages should be diverted and maintained. Berms should be maintained to contain spills on location.

Surface Use Plan

Current Surface Use
Wildlfe Habitat
Existing Well Pad

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	**Width** 210 **Length** 285	Onsite	

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

existing pad. Surrounding area is dominated by sagebrush, grasses, and buckbrush.

Soil Type and Characteristics

clay loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? Y

Divert drainage around location and away from access road.

Berm Required? Y

Maintain berms around location to contain spills.

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	10 to 20	5
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 Sensitivity Level

Characteristics / Requirements

Plans to use metal flat tanks for cuttings. No earthen pit planned at this point outside of a small blooie pit.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** N

Other Observations / Comments

Mark Jones — **Evaluator**

10/17/2011 — **Date / Time**

Application for Permit to Drill
Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4671	43007502420000	LOCKED	GW	S	No

Operator GORDON CREEK, LLC **Surface Owner-APD** State of Utah Division of Wildlife Resources

Well Name GORDON CREEK ST SW-7-14-8 **Unit**

Field UNDESIGNATED **Type of Work** DRILL

Location SESW 7 14S 8E S 833 FSL 2011 FWL GPS Coord (UTM) 493825E 4385100N

Geologic Statement of Basis

Tunderbird Energy proposes to drill the well to a total depth of 4,161' and plans to set surface casing from 0'-450'. The surface string will be drilled using air unless hole conditons require the need to "mud-up" with water and gel chem. Within a 10,000 foot radius of the center of section 7, there are 71 filed water rights, however, only one is a subsurface groundwater right. Gordon Creek, LLC, has applied for a 4 acre/foot well for oil & gas field operations. This location is within a small north-south trending graben valley. The poorly permeable silty soil has been formed from the erosion of the Upper Blue Gate Member of the Mancos Shale. Several units of the Emery Sandstone Member of the Mancos Shale are present at the near surface or within the subsurface, these strata should be included within the interval to be protected by the surface casing string. The operator should be informed of the likelihood of these units being water saturated and to respond to protecting these zones by extending the surface casing as necessary. Proposed surface casing and cement should adequately isolate any shallow zones containing water.

Ammon McDonald — **APD Evaluator**

10/13/2011 — **Date / Time**

Surface Statement of Basis

This proposed new wellbore is planned on previously disturbed surface. The site is in the upper Gordon Creek area of Carbon County, Utah. Topography changes dramatically in the area. The exact location of the well pad is sloped to the east. A well pad was originally permitted at this site and has had the permitt recinded due to inactivity. The surface has since changed ownership from SITLA to DWR. This posses issues to surface use agreements. Thunderbird and DWR are currently in negotiations in regards to surface use agreements. An ammendment to the surface use agreement that SITLA had is being drafted and hoped to have signitures in place by the end of this week to the first of next week. Both parties are in cooperation at this point. The pad is constructed and there are no plans to disturb the surface beyond the existing disturbances. Pits were reclaimed awhile back and at this point a central pit for multiple wells is planned at a different location from this pad. The cuttings will be contained on this location inside portable metal tanks. The cuttings will be trucked from the tanks to the central pit for more permanent storage and disposal. Drainages should be diverted and maintained. Berms should be maintained to contain spills on location.

Mark Jones — **Onsite Evaluator**

10/17/2011 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Surface	All activities should be contained within the permit boundaries of the access road and well pad.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

RECEIVED: October 25, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/20/2011
API NO. ASSIGNED: 43007502420000
WELL NAME: GORDON CREEK ST SW-7-14-8
OPERATOR: GORDON CREEK, LLC (N3245)
PHONE NUMBER: 403 453-1608
CONTACT: Barry Brumwell

PROPOSED LOCATION: SESW 07 140S 080E
Permit Tech Review: ✔

SURFACE: 0833 FSL 2011 FWL
Engineering Review: ✔

BOTTOM: 0833 FSL 2011 FWL
Geology Review: ✔

COUNTY: CARBON
LATITUDE: 39.61752
LONGITUDE: -111.07194
UTM SURF EASTINGS: 493825.00
NORTHINGS: 4385100.00
FIELD NAME: UNDESIGNATED
LEASE TYPE: 3 - State
LEASE NUMBER: ML-46537
PROPOSED PRODUCING FORMATION(S): FERRON SANDSTONE
SURFACE OWNER: 3 - State
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** STATE - RLB0010790
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** 91-5193
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**
- **Commingling Approved**

LOCATION AND SITING:

- ☐ **R649-2-3. Unit:**
- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ✔ **Drilling Unit**
  - **Board Cause No:** Cause 248-01
  - **Effective Date:** 5/16/2002
  - **Siting:** 460' Fr Outer Bdry & 920' Fr Other Wells
- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed
SURF OWNER DWR:

Stipulations: 5 - Statement of Basis - bhill

RECEIVED: October 25, 2011

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: GORDON CREEK ST SW-7-14-8
API Well Number: 43007502420000
Lease Number: ML-46537
Surface Owner: STATE
Approval Date: 10/25/2011

Issued to:
GORDON CREEK, LLC, 1179 E Main #345, Price, UT 84501

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 248-01. The expected producing formation or pool is the FERRON SANDSTONE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:
- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
- Within 24 hours following the spudding of the well – contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program – contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well – contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/11/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	✓ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As per discussions with Mark Jones of DOGM (Price) we wish to now construct a 100' X 50' X 10' mud pit on location (copy of updated survey plat showing mud pit location) to handle any fresh water we may encounter when drilling this well.

Accepted by the Utah Division of Oil, Gas and Mining

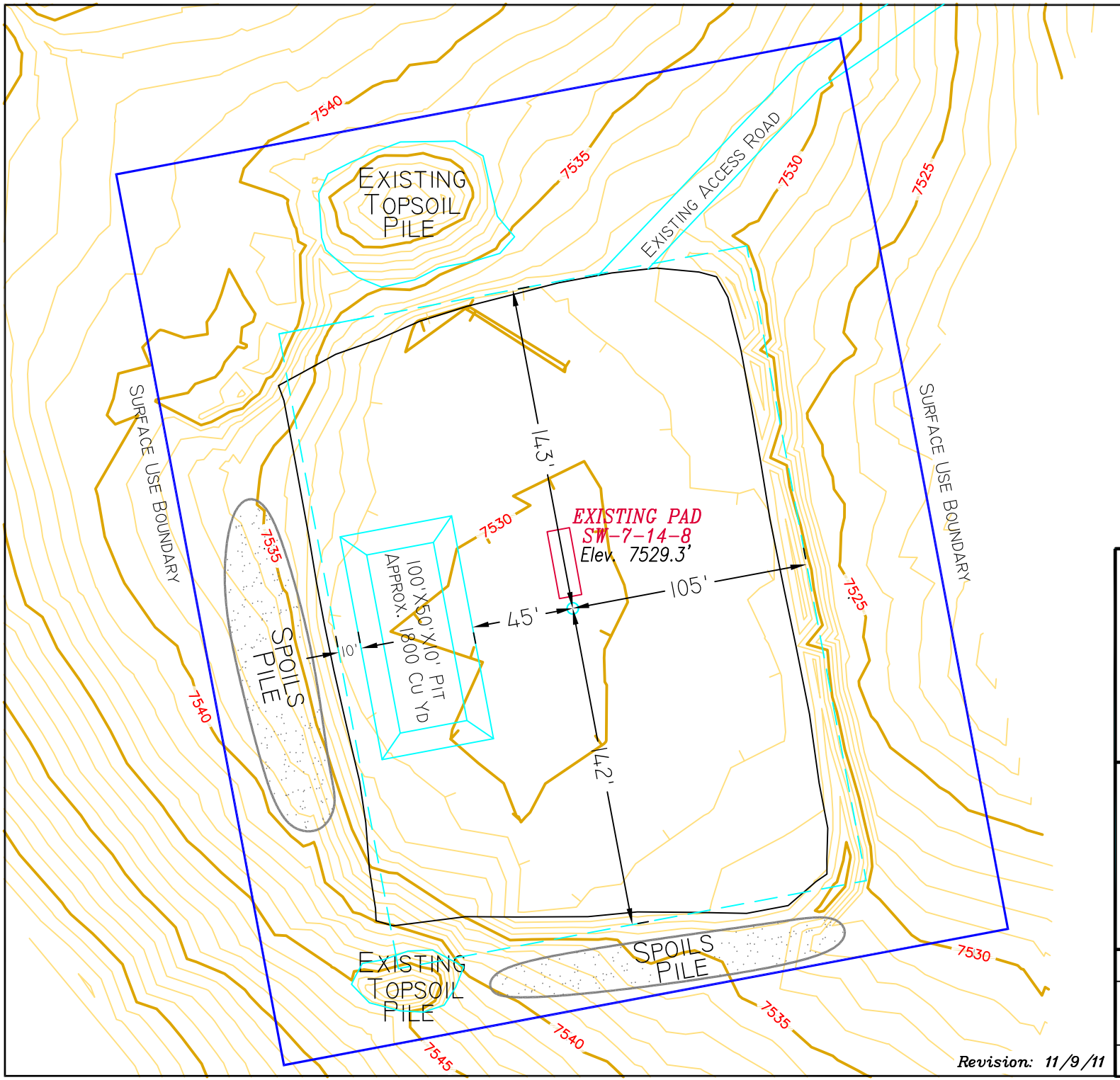
Date: 11/30/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	11/9/2011

RECEIVED Nov. 09, 2011



Revision: 11/9/11

TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon@etv.net

THUNDERBIRD ENERGY

LOCATION LAYOUT
Section 7, T14S, R8E, S.L.B.&M.
SW-7-14-8

Drawn By: N. BUTKOVICH	Checked By: A.P.C.
Drawing No. A-2	Date: 8/25/11
	Scale: 1" = 60'
Sheet 2 of 3	Job No. 4886

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company **GORDON CREEK, LLC**

Well Name: **GORDON CREEK ST SW 7-14-8**

Api No: **43-007-50242** Lease Type **STATE**

Section **02** Township **14S** Range **08E** County **CARBON**

Drilling Contractor _____ RIG # _____

SPUDDED:

Date **11/18/2011**

Time _____

How **DRY**

Drilling will Commence: _____

Reported by **CHUCK WALTERS**

Telephone # **(702) 575-3581**

Date **11/18/2011** **Signed** **CHD**

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM

Operator: Gordon Creek, LLC.
Address: 1179 E. Main, #345
city Price
state UT zip 84501

Operator Account Number: N 3245

Phone Number: (435) 820-1489

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300750242	GORDON CREEK ST SW-7-14-8		SESW	7	14 S	8 E	CARBON
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18353	11/18/2011			12/29/11	

Comments: WELL WAS SPUDDED AT 19:00 HRS ON 11/18/2011 AND RIG RELEASED AT 24:00 HRS ON 12/01/2011 FR SD

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

BARRY BRUMWELL
Name (Please Print)

Signature

VP of OPERATIONS
Title

12/28/2011
Date

RECEIVED
DEC 29 2011
DIV. OF OIL, GAS & MINING

(5/2000)

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FORM 7

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

RECEIVED
JAN 05 2012
OF OIL, GAS & MINING

Well name and number: GORDON CREEK ST SW-7-14-8

API number: 4300750242

Well Location: QQ SESW Section 7 Township 14S Range 8E County CARBON

Well operator: GORDON CREEK, LLC.

Address: 1179 E. MAIN, #345

city PRICE state UT zip 84501 Phone: (435) 820-1489

Drilling contractor: CBM PARTNERS

Address: #36 CR 350 PO BOX 27

city FLORA VISTA state NM zip 87415 Phone: (505) 333-2500

Water encountered (attach additional pages as needed):

DEPTH		VOLUME	QUALITY
FROM	TO	(FLOW RATE OR HEAD)	(FRESH OR SALTY)
1,080	1,200	100	FRESH

Formation tops:
(Top to Bottom)

1	EMERY SANDSTONE	2		3	
4		5		6	
7		8		9	
10		11		12	

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) BARRY BRUMWELL, C.E.T. TITLE VICE PRESIDENT of OPERATIONS

SIGNATURE BBrumwell DATE 1/5/2012

(5/2000)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT
  Approximate date work will start: 7/15/2012
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: RUN CASED HOLE LOGS

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE INTENT OF THIS SUNDRY NOTICE IS TO MOVE AN ELECTRIC WIRELINE UNIT ONTO THE WELL AND RUN A PULSED NEUTRON CASED HOLE LOG ACROSS THE FERRON ZONE UP TO THE DEPTH WHERE OPEN HOLE LOGS WERE UNABLE TO GET PASSED, THEN RUN A CASED HOLE GE-CBL-CCL LOG FROM TOTAL DEPTH TO SURFACE CASING, AND ALSO PRESSURE TEST THE 5 1/2" PRODUCTION CASING TO 3,000 psi. WE WOULD THEN SUSPEND OPERATIONS UNTIL PERFORATING AND STIMULATION OPERATIONS ARE PLANNED & PREPARED, WHICH WOULD BE DONE UNDER THE COVER OF A SEPARATE SUNDRY NOTICE.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 12, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	7/12/2012

RECEIVED: Jul. 12, 2012

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/5/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: RUN CASED HOLE LOGS

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ONCE THE AREA FOREST FIRES HAVE SUBSIDED AND WE ARE ALLOWED ONTO LOCATION, THE INTENT OF THIS SUNDRY NOTICE IS TO MOVE AN ELECTRIC WIRELINE UNIT ONTO THE WELL AND RUN A CASED HOLE GE-CBL-CCL LOG FROM TOTAL DEPTH TO SURFACE CASING, AND ALSO PRESSURE TEST THE 5 1/2" PRODUCTION CASING TO 3,000 psi. WE WOULD THEN SUSPEND OPERATIONS UNTIL PERFORATING AND STIMULATION OPERATIONS ARE PLANNED & PREPARED, WHICH WOULD BE DONE UNDER THE COVER OF A SEPARATE SUNDRY NOTICE.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 12, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	6/29/2012

RECEIVED: Jun. 29, 2012

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 12/1/2011	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Executive Summary and Drilling Reports attached.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 21, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	8/21/2012

RECEIVED: Aug. 21, 2012

EXECUTIVE SUMMARY REPORT

WELL:	GORDON CREEK SW-7-14-8	**API #:**	43000750242
COUNTY:	CARBON COUNTY, UTAH	**SPUD:**	01:30 HRS, 11/18/2011
OBJECTIVE:	To drill & complete as a Ferron Gas well	**R.R.:**	24:00 HRS, 12/01/2011
RIG CONTRACTOR:	CBM Partners Rig # 101		

BIT INFORMATION:

TYPE	SIZE (inches)	DEPTH IN (ft)	DEPTH OUT (ft)	ROT. HOURS	TOTAL HOURS
Tricone	14 3/4	0	40	2.5	2.5
PDC	11	40	907	15.5	18
PDC	7 7/8	907	3990	60.75	78.75
Tricone	7 7/8	3990	4275	22.75	101.5

CONDUCTOR CASING:

HOLE SIZE: 14 3/4" **CONDUCTOR SET FROM:** 0' to 40'

The 12 ¾" conductor pipe was run to 40' and cemented full length.

SURFACE CASING:

HOLE SIZE: 11" **SURFACE CASING FROM:** 0' to 907'

Ran a total of 20 joints of 8 5/8", 24 #/ft, J-55, ST&C casing landed at 906' KB. Cemented with 400 sks Class G cement mixed with 15.8 ppg. No returns. Top job through 1" jointed pipe with 100 sks Class G 15.5 ppg cement.

PRODUCTION CASING:

HOLE SIZE: 7 7/8" **SURFACE CASING FROM:** 0' to 4233.46'

Ran a total of 103 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 4,233.46' KB. Cemented with 474 sks Premium Class "G" + 0.2% airout, 40% Superball, 2% CaCl2, 1 % Super FL 300, ¼# Super Flake, 3% Super GR mixed at 10.7 ppg. Bumped plug, floats held, no cement returns. Marker joints at 3,980' and 3,636'.

PLEASE REFER TO THE ATTACHED DRILLING REPORTS FOR SPECIFIC DAILY WELL INFORMATION

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	
EST. T.D:		AFE EST (D&A):	(D&C):

DAY:	1	REPORT DATE	17-Nov-11	STATUS 06:00			Prep to move rig				
DEPTH:		PROG:		KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:		WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:	9.00	L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	3.00	Other	
Rig Out		Nipple Up	
TOTAL HOURS:	12.00		

LAST CASING SUMMARY

RAN		JTS		mm		Kg/m	CSG.
LANDED AT		MKB.	TOTAL LENGTH			METERS	
CEMENTED WITH							
PLUG DOWN AT		HRS. ON		WITH		M3 CEMENT RETURNS	
LOGS RUN							

REMARKS

0000	0600	Waiting on daylight.
0600	1800	RD, 5 loads moved onto new location. Camp moved and set up on new location
1800	2400	Shut down for night

WT. OF D.C. WT. OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	
EST. T.D:		AFE EST (D&A):	(D&C):

DAY:	2	REPORT DATE	18-Nov-11	STATUS 06:00			Moving rig - 40% moved. 0% RU				
DEPTH:		PROG:		KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:		WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:	18.00	L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	6.00
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN _____ JTS _____ mm _____ Kg/m _____ _____ CSG.

LANDED AT _____ MKB. TOTAL LENGTH _____ METERS.

CEMENTED WITH

PLUG DOWN AT _____ HRS. ON _____ WITH _____ M3 CEMENT RETURNS.

LOGS RUN

REMARKS

0000	0600	Waiting for day light
0600	2400	Move in an spot rig. Crew contiued to rig up under lights. Haul water

WT. OF D.C. WT. OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$26,395
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$57,145
EST. T.D:		AFE EST (D&A):	(D&C):

DAY:	3		REPORT DATE	19-Nov-11	STATUS 06:00		Depth, 465', Working on rotating head				
DEPTH:	218	PROG:	218	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:	aerated water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
1		11	Retip - rerun								
2		~~9.25~~ 11	Shear	SV 616	6 x 18	8 - 10	80	218	7.5	29	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L &J F-100	Triplex	6"	7"						
L &J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, 9.25" PDC	9.25"		1.70
X O	8"	2.75	5.21
9 DCs	6.25	2.25	277.27
		TOTAL	284.18

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	3.00
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:	1.50	RUN CSG:	3.50
DRILL:	7.50	DST:	
HANDLE TOOLS:	4.00	TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	1.00
Rig Out		Nipple Up	3.50
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN ____ JTS ____ mm ____ Kg/m ____ CSG.
LANDED AT ____ MKB. TOTAL LENGTH ____ METERS.
CEMENTED WITH
PLUG DOWN AT ____ HRS. ON ____ WITH ____ M3 CEMENT RETURNS.
LOGS RUN

REMARKS

0000	0130	Rig up - prep to spud - haul water
0130	0400	Spud w/ 14 3/4" bit. Drill to 40'
0400	0700	LD bit, collars.
0700	1200	PU conductor, work down to 40'
1200	1300	Cement conductor with 2 cu/yds ready mix grout.
1300	1400	Rough cut conductor. Measure and final cut conductor
1400	1630	NU riser, rotating head. RU blooie line
1630	1730	PU 11" bit, bit sub and DCs.
1730	1900	Test all air lines with high and low pressure
1900	0000	Drill to 218'

Weather: Blowing drifting snow - WT. OF D.C. WT. OF STRING

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$33,860
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$113,918
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	4		REPORT DATE	20-Nov-11	STATUS 06:00			Waiting on cement			
DEPTH:	907	PROG:	689	KB:	7542.30		GL: 7529.30			MACP:	
SURVEYS:	1 degree @ 508										
	1 degree @ 900										
MUD TYPE:	air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
2	TJ 20880	9.25	shear	sv 616	6 x 18	10	75	689	10	68.9	No wear or damage

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6	7						
L & J F-100	Triplex	6	7						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	9.25'		1.70
X - O	8"	2.75	5.21
9 6.25 DCs	6.25	2.25	277.27
		TOTAL	284.18

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	1.00	WAIT MOVE	
SURVEY:	1.00	WOC:	
PRESSURE TEST:		RUN CSG:	1.50
DRILL:	10.00	DST:	
HANDLE TOOLS:	2.50	TRIP:	2.00
CIRCULATE:	1.50	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	2.50	Other	2.00
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	mm	24	Kg/m	ST&C	8 rd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		908.82	METERS.			
CEMENTED WITH									
PLUG DOWN AT		HRS. ON			WITH		M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0100	Drill f/ 218' to 277'
0100	0200	Repair air slips
0200	0300	Drill f/ 277 to 371
0300	0430	Repair rotating head element
0430	0645	Drill f/ 371 to 506
0645	0745	Wireline survey @ 506, 1 degree
0745	1400	Drill f/ 506 to 907
1400	1530	Circulate hole clean, wireline survey @ 900', 1 degree (repaired geolograph line)
1530	1730	POH LD drill string for casing
1730	1830	Service rig, & prep to run casing.
1830	2000	Move csg on pipe rack
2000	2230	Change out subs on top drive for running casing
2230	2400	MU shoe, shoe jt, collar and run 8.675" casing. See surface casing details for placement of stablizers & cement baskets

Do not have all trucking costs at this time.

WT. OF D.C. WT. OF STRING

Weather: Cold, no wind. Mild by Calgary standards.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$22,890
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$135,318
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	5		REPORT DATE	Nov. 21, 2011	STATUS 06:00			Trip in hole			
DEPTH:	907	PROG:	0'	KB:	7542.30		GL:	7529.30		MACP:	
SURVEYS:											
MUD TYPE:	Water/air	WT:		VISC:			WL:		PH:		FC:
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875	Shram	SM 616	6 x 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L&J F-100	Triplex	6	7						
L&J F-100	Triplex	6	7						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit #3, PDC	7.875		
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	2.50
RIG SERVICE:	1.00	WAIT MOVE	
SURVEY:		WOC:	4.50
PRESSURE TEST:	1.75	RUN CSG:	1.00
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	1.25
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	5.50
Rig Out		Nipple Up	6.50
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	mm	24	Kg/m	ST&C	8 rnd	CSG.
LANDED AT	907.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1st stage 400 sx 15.8 'G'; 2nd stage (top job) 100 sx 15.8 'G'								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.			
LOGS RUN									

REMARKS

0000	0100	Continue to run 8.675", 24 lb/ft, J-55, ST&C, 8 rnd casing. Landed @ 906", shoe @ 857', centralizers every other jt., CB @ 500' & 30'
0100	0330	RU cement casing w/ 400 sx 'G' 15.8# cement. No returns. Top job w/ 100 sx 'G' 15.5# cement. Cement 10' f/ top. See surf cement details
0330	0800	WOC - rig maintence
0800	0900	Rig service
0900	1030	Prep cellar for welder
1030	1630	Weld on casing flange. (Rig crew RU blooie line)
1630	2200	NU BOP & choke manifold.
2200	2345	Test BOP, choke lines & manifold, blind ram, kill line, kill valve pipe ram & inside valve safety valve, & upper kelly valve to 2500 psi high and 250 psi low. Choke filled w/ methanol upon colpletion of testing.
2345	2400	Trip in hole w/ 7.875" PDC bit.

Note: Nippling up BOP is listed as 'other' under time distribution.

WT. OF D.C. WT. OF STRING

Weather: Cold, clear, no wind

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$42,525
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$177,842
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	6	REPORT DATE	Nov.22, 2011	STATUS 06:00			Drilling ahead 2476'				
DEPTH:	967	PROG:	60	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:	air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.675	Shram	SM 616	6 X 20	11	90	67	4.5	20	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L&J F-100	Triplex	6	7						
L&J F-100	Triplex	6	7						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.675		1.00
Bit Sub	6.25	2.25	3.00
9 Drill Collars	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.50	WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	4.50	DST:	
HANDLE TOOLS:		TRIP:	8.50
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:	2.50	WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	3.00	Other	2.00
Rig Out		Nipple Up	3.00
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20 JTS	8.675 mm	24 Kg/m	ST&C	8 end	CSG.	
LANDED AT	907.00 MKB.	TOTAL LENGTH	906.00 METERS.				
CEMENTED WITH							
PLUG DOWN AT		HRS. ON		WITH		M3 CEMENT RETURNS.	
LOGS RUN							

REMARKS

0000	0030	NU Blooie Line
0300	0600	RIH, tag cement @ 756' (90' high)
0600	0700	Prepared to turn on air. Blooie line was to high and not orientated to the pit.
0700	0930	POH
0930	1200	ND rotating head. Remove 3' riser (lowers blooie line 3' at the stack). Turn & NU rotating head on top of BOP stack. NU blooie line.
1200	1500	RIH to 756', TOC.
1500	1530	Drill cement f/ 756' to 846'
1530	1600	Rig service
1600	1900	Rig repair. Pull down was not working.
1900	2000	RU rig water, prime pumps to drill w/ air water.
2000	2115	Drill cement f/ 846' (collar) 907' (shoe)
2115	0:00	Drill formation f/ 907' to 967'

Today's cost include lease acquisition ($15999) and surveying ($7000) costs.

WT. OF D.C. WT. OF STRING

Weather: Cold, low 20s

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$22,907
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$201,650
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	7		REPORT DATE	Nov. 23, 2011	STATUS 06:00			Drilling ahead @ 2997'			
DEPTH:	2746	PROG:	1109	KB:	7542.30		GL:	7529.30		MACP:	
SURVEYS:	1.75 @ 1414										
	1.5 @ 2006										
MUD TYPE:	Air/water	WT:		VISC:		WL:			PH:		FC:
ADDITIVES:	Air	1750 SCFM									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875	Shram	SM 616	6 x 20	11 to 12	85 - 95	1109	23	48.0	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"	12	33 gpm	550			
L & J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
PDC Bit	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:	1.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	23.00	DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SUP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	FEET			
CEMENTED WITH	1 st stage, 400x #15.8' G'; 2 nd stage, (top job) 100 sx #15.8 'G'								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	CEMENT RETURNS.			

LOGS RUN

None

REMARKS

0000	1230	Drill formation f/ 967' to 2016'
1203	0130	Wireline survey @ 2006 - 1.0°
0130	2400	Drill formation f/ 2016' to 2746'

Weather: Mild, sunshine, no wind

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$38,869
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$240,519
EST. T.D:	4309' ±	AFE EST (D&A):	(D&C):

DAY:	8	REPORT DATE	Nov. 24, 2011	STATUS 06:00			Drilling ahead @ 3755'			
DEPTH:	3525	PROG:	779	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:	2.5 @ 3000'									
	3 @ 3505'									
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:	Air	574 scfm								

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875"	Shram	SM 616	6 x 20	11 to 12	85 to 95	779	13.5	57.7	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	72	198 gpm	529 psi			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:	2.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	13.50	DST:	
HANDLE TOOLS:		TRIP:	1.00
CIRCULATE:	6.50	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	1.00
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.			
LOGS RUN									

REMARKS

0000	0600	Drill f/ 2746' to 3000'
0600	0630	Circulate
0630	0800	Survey, 3000' - 2.5°
0800	1300	Drill f/ 3000' to 3431
1300	1400	DP stuck - hole sloughed in - work pipe free.
1400	1500	Pull 10 jts. DP
1500	2100	Circulate well clean.w/ air, mix pill & sweep hole & stage back to bottom
2100	2330	Drill f/ 3431' to 3505'
2330	0000	Wireline survey @ 3501', 3°

Note: Bit performance is effected by the amount of circulation time required on each kelly down for hole clean up. Often circulation time exceeds the drilling time per connection.

5.5" Production casing on location.

WT. OF D.C. WT. OF STRING

Weather: Clear and cold.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$15,652
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$258,505
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	9		REPORT DATE	Nov. 25, 2011	STATUS 06:00			Frilling @ 3653'		
DEPTH:	3884	PROG:	359	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:										
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:	Air	574 scfm								

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875"	Shram	SM 616	6 x 20	11 to 12	85 to 95	779	13.5	57.7	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	72	231	529 psi			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:	0.50	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	15.50	DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:	0.25	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	7.75	Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.			
LOGS RUN									

REMARKS

0000	0030	Continue wire line survey 3°@ 3503'
0030	1600	Drill f/ 3505' to 3884'
1600	1615	Circulate hole
1615	2400	Rig repair, 1" hydraulic hose ruptured. Rig unable to move the top drive up or down.. Spare not kept on rig. Replacement hose made up in Grand Junction, Colorado and hot shot to rig.

T/ Ferron 3660.
TD, 4300'

WT. OF D.C. WT. OF STRING

Weather: Clear and cold.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$24,908
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$283,413
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	10	REPORT DATE	Nov. 26, 2011	STATUS 06:00					Trip in hole	
DEPTH:	3950	PROG:	66	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:										
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:	Air	574 scfm								

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875"	Shram	SM 616	6 x 20	11 to 12	85 to 95	66	15.5	4.2	
4	135614	7.875	Veral	ETD18	3 X 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	72	231	529 psi			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	16.00	DST:	
HANDLE TOOLS:		TRIP:	5.50
CIRCULATE:	2.00	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	0.50	Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH		1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8							
PLUG DOWN AT		0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0030	Install hydraulic hose
0030	0100	Circulate w/ water/ air to establish returns
0100	1700	Drill f/ 3884 to 3950
1700	1715	Circulate hole - pump gel sweep
1715	2000	Trip out of hole - pipe stuck - pump soap & air - work pipe - pipe came free
2000	2045	Circulate hole - pump gel sweeps w/ LCM - while recipocating pipe
2045	2400	Trip out of hole

Note: 70' Depth correction @ 3959' was 3889' (2 jts DP)

T/ Ferron 3660.
TD, 4300'

WT. OF D.C. WT. OF STRING

Weather: Clear, cold and high winds

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$18,745
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$302,158
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	11	REPORT DATE	07-Jan-00	STATUS 06:00			Working drill string at 3660 & mixing LCM pill			
DEPTH:	3950	PROG:		KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:										
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:	Air	574 scfm								

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	135614	7.875	Veral	ETD18	3 X 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	85	234	281			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:			

LAST CASING SUMMARY

RAN	20	JTS	8.675	in.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.			
LOGS RUN									

REMARKS

0000	0415	Trip out of hole, LD PDC and bit sub
0415	1000	PU tricone bit and trip in hole, fill at 3100'.
1000	1545	Mix & pump gel sweeps, worked pipe and got free.
1545	1600	Trip, LD 5 jts DP
1600	1800	Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill.
1800	1830	Pump and spot across annulus. Partial returns after 65 bbls
1830	2245	Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill.
2245	2300	Pump pill, full returns after pumping 40 bbls.
2300	2400	Wash and ream f/ 3100' to 3260'

T/ Ferron 3660.
TD, 4300'

WT. OF D.C. WT. OF STRING

Weather: Clear, cold and high winds

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$20,215
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$322,173
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	12	REPORT DATE	Nov. 28,2011	STATUS 06:00			Building mud volume				
DEPTH:	4050	PROG:	100	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
						28-Nov-11					
MUD TYPE:	Gel	WT:	8.7	VISC:	45+	WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	135614	7.875	Veral	ETD18	3 X 20	20 - 25	75	100	10.25	9.8	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	102	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	10.25	DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:	12.75	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	1.00
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH		1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8							
PLUG DOWN AT		0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.		

LOGS RUN

REMARKS

0000	1245	Wash & ream f/ 3100' to 3950'
1245	1900	Drill f/ 3950' to 4090'
1900	2000	Mixing mud with high LCM content, reserve pit drawn down, have to use fresh water
2000	2400	Drill f/ 4020' to 4050'

T/ Ferron 3660.
TD, 4300'

WT. OF D.C. WT. OF STRING

Weather: old & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$92,365
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$414,538
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	13		REPORT DATE	Nov. 29,2011	STATUS 06:00		Wash and ream to bottom			
DEPTH:	4070	PROG:	20	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:										
						28-Nov-11				
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	0.50	DST:	
HANDLE TOOLS:		TRIP:	11.75
CIRCULATE:	10.75	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	1.00
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.			
LOGS RUN									

REMARKS

0000	0030	Drill from 4050' - 4058'
0030	0800	Lost returns, building volume. Mix sweeps and worked pipe.
0800	1115	Increase air concentration to regain circulation
1115		Bleed off lines frozen. Decide to bleed off at top drive connection. Driller broke connection MUCH faster than he was instructed to.
	1215	Instant extreme u-tubing of wellbore fluids into pipe thru drill bit. Bit plugged instantly. Bleed off pressure.
1215	1315	Remove rotating head.
1315	1415	Pour diesel into drill pipe to try and unload it - not sucessful.
1415		POOH to unplug bit. Change bit and bit sub. INSTALL FLOAT - ***PREVIOUS BHA DIDN'T HAVE A FLOAT AS ONLY BIT SUB***
	2115	***CONTRACTOR HAS WAS IN TOWN FOR REPAIRS.*** Bit #4 showed pretty sever damage on 2 cones.
2115	2400	RIH with Bit # 5 TO 1937'.

T/ Ferron 3660.
TD, 4300'

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$26,575
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$441,113
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	14		REPORT DATE	Nov. 29,2011	STATUS 06:00			Wash and ream to bottom			
DEPTH:	4101	PROG:	31	KB:	7542.30	GL:	7529.30			MACP:	
SURVEYS:											
						28-Nov-11					
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20	25	65				

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	4.00	DST:	
HANDLE TOOLS:		TRIP:	13.50
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	6.50	Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			

CEMENTED WITH: 1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8

PLUG DOWN AT: 0145 HRS. ON Nov. 20, 2011 WITH No M3 CEMENT RETURNS.

LOGS RUN

REMARKS

0000	0900	RIH from 1937' - 3556', circulating with air thru tight spots several times.
0900	1530	Hydraulic hose on top drive failed - no replacement on location. Wait on one to be made in Price and be delivered out to location.
1530	2000	Wash and ream into hole from 3,556' - 4,058' (well depth was adjusted to 4,058' as 4,070' was incorrect)
2000	2400	Drill ahead from 4,058' - 4,100'. Drilling very hard rock, bit bouncing erratically.

T/ Ferron 3660.
TD, 4300'

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$20,475
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$461,588
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	15		REPORT DATE	Nov. 30,2011	STATUS 06:00			Wash and ream to bottom			
DEPTH:	4101	PROG:	31		KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:											
							28-Nov-11				
MUD TYPE:	air/water	WT:	8.7		VISC:	45+	WL:		PH:		FC:
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20	25	65				

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	6.00
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	1.00
DRILL:	8.00	DST:	
HANDLE TOOLS:		TRIP:	8.50
CIRCULATE:	0.50	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	In.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G';2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.			
LOGS RUN									

REMARKS

0000	0800	Drill ahed from 4,100' - 4275'. TD called at 4,275' based on production casing tally
0800	17:00	Trip OOH pulling from 3,900' up to 3,100'. Had to circulate (with air assist) and work tight spots several times.
17:00	17:30	RU Pioneer Wireline Logging tools.
17:30	21:30	Run logs, then rig down logging equipment
21:30	23:00	Prepare to run casing. Could not break off bit sub from top drive, forced to run casing by picking up every jt with circulating head, which will be very slow.
23:00	24:00	RIH with 5 1/2" casing. Casing details on next daily report.

T/ Ferron 3660.
TD, 4275'

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$195,305
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$656,893
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	16	REPORT DATE	Nov. 30,2011	STATUS 06:00			Wash and ream to bottom			
DEPTH:	4275	PROG:	174	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:										
						28-Nov-11				
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20	25	65				

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL.
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	3.00
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	14.00
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out	7.00	Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	103	JTS	5.5	In.	17	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	4233.46	MKB.	TOTAL LENGTH		4233.46	METERS.			
CEMENTED WITH		See below							
PLUG DOWN AT		16:49	HRS. ON	01-Dec-11	WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000		RIH with 102 jts of 5 1/2", 17 #/ft, N-80, LT&C production casing. Tagged hard at 4,252' KB. Could not work casing down any further.
	1400	REMOVE JOINT 102. Final tally into hole = 101 full joints + TWO - 9.95' marker joints. TOTAL = 103 joints. Land with Seaboard hanger.
1400		RU Superior cementers and cement production casing with 475 sax of Premium Class "G" cement + 0.2% Air-Out + 40% Superball + 1% Super FL-300 + 2% CaCl2 + 0.25 #/sk Super Flake + 3% Super GR mixed at 10.7 PPG (yield = 2.39 cu*ft/sk, water = 8.23 gal/sk)
	1700	Displaced with 98 bbls of freash water. Bumped plugs at 16:49 12/1/2011. float held. NO RETURNS THROUGHOUT JOB.
1700	2000	Remove casing landing jt. Remove blooie line and nipple down BOPs. Install night cap on wellhead.
2000	24:00	Rig out tear out rig

CASING BOTTOM = 4233.46' FLOAT COLLAR = 4187.55' Marker jts at 3,980' and 3,636'

RIG RELEASED AT 24;00 HRS 12/01/2011

T/ Ferron 3660.
TD, 4275'

Weather: Cold & clear

CONFIDENTIAL

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: GORDON CREEK SW-7-14-8

2. NAME OF OPERATOR: GORDON CREEK, LLC.

9. API NUMBER: 4300750242

3. ADDRESS OF OPERATOR: 1179 E. MAIN, #345 PRICE UT 84501

PHONE NUMBER: (403) 453-1608

10. FIELD AND POOL, OR WILDCAT: UNDESIGNATED

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 833' FSL & 2011' FWL

COUNTY: CARBON

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 7 14S 8E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT OFF
11/30/2011	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER DRILLING REPORTS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ATTACHED IS AN EXECUTIVE SUMMARY AND THE DAILY DRILLING REPORTS FOR THE SUBJECT WELL.

SIGNATURE

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

RECEIVED
AUG 10 2012
DIV. OF OIL, GAS & MINING

EXECUTIVE SUMMARY REPORT

WELL:	GORDON CREEK SW-7-14-8	**API #:**	43000750242
COUNTY:	CARBON COUNTY, UTAH	**SPUD:**	01:30 HRS, 11/18/2011
OBJECTIVE:	To drill & complete as a Ferron Gas well	**R.R.:**	24:00 HRS, 12/01/2011
RIG CONTRACTOR:	CBM Partners Rig # 101		

BIT INFORMATION:

TYPE	SIZE (inches)	DEPTH IN (ft)	DEPTH OUT (ft)	ROT. HOURS	TOTAL HOURS
Tricone	14 3/4	0	40	2.5	2.5
PDC	11	40	907	15.5	18
PDC	7 7/8	907	3990	60.75	78.75
Tricone	7 7/8	3990	4275	22.75	101.5

CONDUCTOR CASING:

HOLE SIZE: 14 3/4" **CONDUCTOR SET FROM:** 0' to 40'

The 12 ¾" conductor pipe was run to 40' and cemented full length.

SURFACE CASING:

HOLE SIZE: 11" **SURFACE CASING FROM:** 0' to 907'

Ran a total of 20 joints of 8 5/8", 24 #/ft, J-55, ST&C casing landed at 906' KB. Cemented with 400 sks Class G cement mixed with 15.8 ppg. No returns. Top job through 1" jointed pipe with 100 sks Class G 15.5 ppg cement.

PRODUCTION CASING:

HOLE SIZE: 7 7/8" **SURFACE CASING FROM:** 0' to 4233.46'

Ran a total of 103 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 4,233.46' KB. Cemented with 474 sks Premium Class "G" + 0.2% airout, 40% Superball, 2% CaCl2, 1 % Super FL 300, ¼# Super Flake, 3% Super GR mixed at 10.7 ppg. Bumped plug, floats held, no cement returns. Marker joints at 3,980' and 3,636'.

PLEASE REFER TO THE ATTACHED DRILLING REPORTS FOR SPECIFIC DAILY WELL INFORMATION

RECEIVED
AUG 10 2012
DIV. OF OIL, GAS & MINING

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	
EST. T.D.		AFE EST (D&A):	(D&C):

DAY:	1	REPORT DATE	17-Nov-11	STATUS 06:00					Prep to move rig	
DEPTH:		PROG:		KB: 7542.30		GL: 7528.30			MACP:	
SURVEYS:										
MUD TYPE:		WT:		VISC:		WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE

PUMP	DESCR	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
		TOTAL	

TIME DISTRIBUTION

MOVE RIG	9.00	L.D.D.S.	
RIG TO SPUD		LOGGING	
WELD ON BBL		CEMENT	
RIG SERVICE		WAIT MOVE	
SURVEY		WOC	
PRESSURE TEST		RUN CSG	
DRILL		EST.	
HANDLE TOOLS		TRIP	
DRILL OUT		WAIT ON DR. WORK	
REAM		PASON	
SAFETY MEETING		SLIP LINE	
STUCK & TRIP		WORK CON	
RIG DOWN TIME	3.00	Other	
Rig Out		Nipple Up	
TOTAL HOURS	12.00		

LAST CASING SUMMARY

RAN	JTS	mm	Kg/m		CSG.
LANDED AT	MKB	TOTAL LENGTH	METERS		
CEMENTED WITH					
PLUG DOWN AT	HRS ON	WITH	M3 CEMENT RETURNS		
LOGS RUN					

REMARKS

0000	0600	Waiting on daylight
0600	1800	RD, 5 loads moved onto new location. Camp moved and set up on new location
1800	2400	Shut down for night

WT OF D.C. WT. OF STRING

Weather:

RECEIVED

AUG 10 2012

DIV. OF OIL, GAS & MINING

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GORDEN CREEK ST SW 7-14-6
LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API#43007502420000

SUPERVISOR: CHUCK WALTER
CELLULAR #: [redacted]
SPUD DATE: 0130 HRS, NOV. 18,2011
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM # 100
EST. T.D.:

REPORTING TO: BARRY BRUMWELL
PHONE #: [redacted]
A.F.E. #:
DAILY COST:
CUM. COST:
AFE EST (D&A): (D&C):

Prep to move rig

DAY:	1	REPORT DATE	17-Nov-11	STATUS 06:00					MACP:	
DEPTH:		PROG:		KB:	7642.30	GL:	7529.30			
SURVEYS:										
MUD TYPE:		WT:		VISC:		WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE

PUMP	DESCR	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
		TOTAL	

TIME DISTRIBUTION

MOVE RIG	9.00	L.D.D.S.	
RIG TO SPUD		LOGGING	
WELD ON SBL		CEMENT	
RIG SERVICE		WAIT MOVE	
SURVEY		WOC	
PRESSURE TEST		RUN CSG	
DRILL		DST	
HANDLE TOOLS		TRIP	
CIRCULATE		WAIT ON	
NIPPLE ON BOP		WELD BOWL	
DRILL OUT		DR. WORK	
REAM		PASON	
SAFETY MEETING		SLIP LINE	
STUCK & TRIM		WORK CON	
RIG DOWN TIME	3.00	Other	
Rig Out		Nipple Up	
TOTAL HOURS	12.00		

LAST CASING SUMMARY
RAN JTS run CSG.
LANDED AT MKB TOTAL LENGTH Kg/m METERS
CEMENTED WITH HRS. ON WITH M3 CEMENT RETURNS
PLUG DOWN AT
LOGS RUN

REMARKS

0000	0600	Waiting on daylight
0600	1800	RD, 5 loads moved onto new location. Camp moved and set up on new location
1800	2400	Shut down for night

WT. OF D.C. WT. OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-6	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	
EST. T.D:		AFE EST (D&A):	(D&C):

DAY:	2	REPORT DATE	18-Nov-11	STATUS 06:00				Moving rig - 40% moved, 0% RU			
DEPTH:		PROG:		KB:	7542.30		GL: 7529.30			MACP:	
SURVEYS:											
MUD TYPE:		WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE

PUMP	DESCR	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:	18.00	L.O.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON SBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE:	6.00
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL:	
DRILL OUT:		DIR. WORK:	
REAM:		PASON:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME:		Other:	
Rig Out:		Nipple Up:	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN _____ JTS _____ mm _____ Kg/m _____ CSG.

LANDED AT _____ MKB. TOTAL LENGTH _____ METERS.

CEMENTED WITH _____

PLUG DOWN AT _____ HRS. ON _____ WITH _____ M3 CEMENT RETURNS.

LOGS RUN

REMARKS

0000	0600	Waiting for day light
0600	2400	Move in an spot rig. Crew contiued to rig up under lights. Haul water

WT OF D.C. WT OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	AP#4300750242000 0
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$26,395
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$67,145
EST. T.D.:		AFE EST. (D&A):	(D&C):

DAY:	3	REPORT DATE	19-Nov-11	STATUS 06:00			Depth, 465', Working on rotating head				
DEPTH:	218	PROG:	218	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:	aerated water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
1		11	Relip - rerun								
2		~~9.25~~ 11	Shear	SV 616	6 x 18	8 - 10	80	218	7.5	29	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L &J F-100	Triplex	6"	7"						
L &J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, 9.25" PDC	9.25"		1.70
X O	8"	2.75	5.21
9 DCs	6.25	2.25	277.27
		TOTAL	284.18

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BOP:		CEMENT:	3.00
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC	
PRESSURE TEST:	1.50	RUN CSG:	3.50
DRILL:	7.50	DST:	
HANDLE TOOLS:	4.00	TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SUP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	1.00
Rig Out		Nipple Up	3.50
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN ____ JTS ____ mm ____ Kg/m ____ CSG.
LANDED AT ____ MKB. TOTAL LENGTH ____ METERS
CEMENTED WITH
PLUG DOWN AT ____ HRS. ON ____ WITH ____ M3 CEMENT RETURNS:
LOGS RUN

REMARKS

0000	0130	Rig up - prep to spud - haul water
0130	0400	Spud w/ 14 3/4" bit. Drill to 40'
0400	0700	LD bit, collars.
0700	1200	PU conductor, work down to 40'
1200	1300	Cement conductor with 2 cu/yds ready mix grout
1300	1400	Rough cut conductor. Measure and final cut conductor
1400	1630	NU riser, rotating head. RU blooie line
1630	1730	PU 11" bit, bit sub and DCs.
1730	1900	Test all air lines with high and low pressure
1900	0000	Drill to 218'

WT. OF D.C. WT. OF STRING

Weather: Blowing drifting snow

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$33,860
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$113,918
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	4		REPORT DATE	20-Nov-11	STATUS 06:00				Waiting on cement	
DEPTH:	907	PROG:	689	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:	1 degree @ 600 1 degree @ 900									
MUD TYPE:	air/water	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
2	TJ 20890	9.25 "	shear	sv 616	6 x 18	10	75	689	10	68.9	No wear or damage

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6	7						
L & J F-100	Triplex	6	7						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	9.25'		1.70
X - O	8"	2.75	5.21
9 6.25 DCs	6.25	2.25	277.27
		TOTAL	284.18

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	1.00	WAIT MOVE	
SURVEY:	1.00	WOC:	
PRESSURE TEST:		RUN CSG:	1.50
DRILL:	10.00	DST:	
HANDLE TOOLS:	2.50	TRIP:	2.00
CIRCULATE:	1.50	WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	2.50	Other	2.00
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	mm	24	Kg/m	ST&C	8 rd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		908.82	METERS.			
CEMENTED WITH									
PLUG DOWN AT			HRS. ON		WITH		M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0100	Drill f/ 218' to 277'
0100	0200	Repair air slips
0200	0300	Drill f/ 277 to 371
0300	0430	Repair rotating head element
0430	0645	Drill f/ 371 to 506
0645	0745	Wireline survey @ 506, 1 degree
0745	1400	Drill f/ 506 to 907
1400	1530	Circulate hole clean, wireline survey @ 900', 1 degree (repaired geolograph line)
1530	1730	POH LD drill string for casing
1730	1830	Service rig, & prep to run casing.
1830	2000	Move csg on pipe rack
2000	2230	Change out subs on top drive for running casing
2230	2400	MU shoe, shoe jt, collar and run 8.675" casing. See surface casing details for placement of stablizers & cement baskets

Do not have all trucking costs at this time.

WT OF D.C. WT OF STRING

Weather: Cold, no wind Mild by Calgary standards.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$22,890
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$135,318
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	6	REPORT DATE	Nov. 21, 2011	STATUS 06:00			Trip in hole			
DEPTH:	907	PROG:	0'	KB:	7542.30	GL:	7529.30		MACP:	
SURVEYS:										
MUD TYPE:	Water/air	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7 875	Shram	SM 816	6 x 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L&J F-100	Triplex	6	7						
L&J F-100	Triplex	6	7						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit #3, PDC	7 875		
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON SOL:		CEMENT:	2.50
RIG SERVICE:	1.00	WAIT MOVE	
SURVEY:		WOC:	4.50
PRESSURE TEST:	1.75	RUN CSG:	1.00
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	1.25
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL:	
DRILL OUT:		DIR. WORK:	
REAM:		PASON:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	5.50
Rig Out		Nipple Up	6.50
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN 20 JTS 8.675 mm 24 Kg/m ST&C 8 md CSG.
LANDED AT 907.00 MKB. TOTAL LENGTH 906.00 METERS.
CEMENTED WITH 1st stage 400 sx 15.8 'G'; 2nd stage (top job) 100 sx 15.8 'G'
PLUG DOWN AT 0145 HRS. ON Nov. 20, 2011 WITH No M3 CEMENT RETURNS.
LOGS RUN.

REMARKS

0000	0100	Continue to run 8.675", 24 lb/ft, J-55, ST&C, 8 md casing. Landed @ 906", shoe @ 857', centralizers every other jt., CB @ 500' & 30'
0100	0330	RU cement casing w/ 400 sx 'G' 15.8# cement. No returns. Top job w/ 100 sx 'G' 15.5# cement. Cement 10' f/ top. See surf cement details
0330	0800	WOC - rig maintence
0800	0900	Rig service
0900	1030	Prep cellar for welder
1030	1630	Weld on casing flange. (Rig crew RU blooie line)
1630	2200	NU BOP & choke manifold.
2200	2345	Test BOP, choke lines & manifold, blind ram, kill line, kill valve pipe ram & inside valve safety valve, & upper kelly valve to 2500 psi high and 250 psi low. Choke filled w/ methanol upon colpletion of testing.
2345	2400	Trip in hole w/ 7.875" PDC bit.

Note: Nippling up BOP is listed as 'other' under time distribution.

WT. OF D.C WT. OF STRING

Weather: Cold, clear, no wind

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$42,525
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$177,842
EST. T.D:	4000'+	AFE EST (D&A):	(D&C):

DAY:	6		REPORT DATE	Nov 22, 2011	STATUS 06:00			Drilling ahead 2476'			
DEPTH:	967	PROG:	60		KB: 7642.30		GL: 7529.30			MACP:	
SURVEYS:											
MUD TYPE:	air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.675	Shram	SM 616	6 X 20	11	90	67	4.5	20	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L&J F-100	Triplex	6	7						
L&J F-100	Triplex	6	7						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.675		1.00
Bit Sub	6.25	2.25	3.00
9 Drill Collars	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.50	WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	4.50	TEST:	
HANDLE TOOLS:		TRIP:	6.50
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:	2.50	WELD BOWL	
DRILL OUT:		DIR. WORK	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME:	3.00	Other	2.00
Rig Out		Nipple Up	3.00
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20 JTS	8.675 mm	24 Kg/m	ST&C	8 end	CSG.
LANDED AT	907.00 MKB.	TOTAL LENGTH	906.00 METERS.			

CEMENTED WITH _____ HRS. ON _____ WITH _____ M3 CEMENT RETURNS _____

PLUG DOWN AT

LOGS RUN

REMARKS

0000	0030	NU Blooie Line
0300	0600	RIH, tag cement @ 756' (90' high)
0600	0700	Prepared to turn on air. Blooie line was to high and not orientated to the pit.
0700	0930	POH
0930	1200	ND rotating head. Remove 3' riser (lowers blooie line 3' at the stack). Turn & NU rotating head on top of BOP stack NU blooie line.
1200	1500	RIH to 756', TOC
1500	1530	Drill cement f/ 756' to 846'
1530	1600	Rig service
1600	1900	Rig repair. Pull down was not working.
1900	2000	RU rig water, prime pumps to drill w/ air water.
2000	2115	Drill cement f/ 846' (collar) 907' (shoe)
2115	0:00	Drill formation f/ 907' to 967'

Today's cost include lease acquisition ($15999) and surveying ($7000) costs.

WT. OF D.C. WT. OF STRING

Weather: Cold, low 20s

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$22,907
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$201,650
EST. T.D:	4000'±	AFE EST (D&A):	(D&C):

DAY:	7		REPORT DATE	Nov 23, 2011	STATUS 06:00			Drilling ahead @ 2997'			
DEPTH:	2746	PROG:	1109	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:	1.75 @ 1414										
	1.5 @ 2006										
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:	Air	1750 SCFM									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0589	7.875	Shinm	SM 616	6 x 20	11 to 12	85 - 95	1109	23	48.0	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"	12	33 gpm	550			
L & J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
PDC Bit	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:	1.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	23.00	DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
RIG OUT		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN 20 JTS 8.675 in. 24 lbs/ft LT&C 8 rnd CSG.
LANDED AT 906.00 MKB. TOTAL LENGTH 906.00 FEET
CEMENTED WITH 1 st stage, 400x #15.8' G', 2 nd stage, (top job) 100 sx #15 8 'G'
PLUG DOWN AT 0145 HRS. ON Nov. 20, 2011 WITH No CEMENT RETURNS.
LOGS RUN
None

REMARKS

0000	1230	Drill formation f/ 967' to 2016'
1203	0130	Wireline survey @ 2006 - 1.0°
0130	2400	Drill formation f/ 2016' to 2746'

Weather: Mild, sunshine, no wind

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$38,869
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$240,519
EST. T.D:	4309' +	AFE EST (D&A):	(D&C):

DAY:	8		REPORT DATE	Nov 24, 2011	STATUS 06:00			Drilling ahead @ 3755'			
DEPTH:	3525	PROG:	779		KB: 7542.30'		GL: 7529.30			MACP:	
SURVEYS:	2.5 @ 3000'										
	3 @ 3505'										
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:	Air	374 scfm									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875"	Shram	SM 616	6 x 20	11 to 12	85 to 90	779	13.5	57.7	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	72	198 gpm	529 psi			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	277.07
		TOTAL:	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO &PUD:		LOGGING:	
WELD ON BHL:		CEMENT:	
RIG SERVICE:		WAIT MOVE:	
SURVEY:	2.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	13.50	DST:	
HANDLE TOOLS:		TRIP:	1.00
CIRCULATE:	6.50	WAIT ON:	
NIPPLE ON BOP:		WELD BOWL:	
DRILL OUT:		DRL WORK:	
REAM:		PASON:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other:	1.00
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	in.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS			

CEMENTED WITH: 1 st stage, 400sx #15.8, 'G' 2 nd stage (top job), 100 sx #15.8

PLUG DOWN AT 0145 HRS ON Nov. 20, 2011 WITH No M3 CEMENT RETURNS

LOGS RUN

REMARKS:

0000	0600	Drill f/ 2746' to 3000'
0600	0630	Circulate
0630	0800	Survey, 3000' - 2.5°
0800	1300	Drill f/ 3000' to 3431
1300	1400	DP stuck - hole sloughed in - work pipe free.
1400	1500	Pull 10 jts. DP
1500	2100	Circulate well clean.w/ air, mix pill & sweep hole & stage back to bottom
2100	2330	Drill f/ 3431' to 3505'
2330	0000	Wireline survey @ 3501', 3°

Note: Bit performance is effected by the amount of circulation time required on each kelly down for hole clean up. Often circulation time exceeds the drilling time per connection.

5.5" Production casing on location.

WT. OF D.C. WT. OF STRING

Weather: Clear and cold.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$15,652
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$258,505
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	9		REPORT DATE	Nov. 25, 2011	STATUS 06:00			Drilling @ 3653'			
DEPTH:	3884	PROG:	359		KB: 7542.30		GL: 7529.30			MACP:	
SURVEYS:											

MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:	Air	574 scfm								

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875"	Shram	SM 616	6 x 20	11 to 12	85 to 95	779	13.5	57.7	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL.
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	72	231	529 psi			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	277.07
		TOTAL	281.07

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE:	
SURVEY:	0.50	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	15.50	DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:	0.25	WAIT ON:	
RIPPLE ON BOP:		WELD BOWL:	
DRILL OUT:		DR. WORK:	
REAM:		PASON:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME:	7.75	Other:	
Rig Out:		Nipple Up:	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN:	20	JTS	8.675	in.	24	lb/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G' 2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011		WITH	No	M3 CEMENT RETURNS:		
LOGS RUN									

REMARKS

0000	0030	Continue wire line survey 3°@ 3503'
0030	1600	Drill f/ 3505' to 3884'
1600	1615	Circulate hole
1615	2400	Rig repair, 1" hydraulic hose ruptured. Rig unable to move the top drive up or down.. Spare not kept on rig. Replacement hose made up in Grand Junction, Colorado and hot shot to rig.

T/ Ferron 3660.
TD, 4300'

WT. OF D.C. WT. OF STRING

Weather: Clear and cold

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$24,908
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$283,413
EST. T.D.:	4300'	AFE EST (D&A):	(D&C):

DAY:	10		REPORT DATE	Nov. 26, 2011	STATUS 06:00			Trip in hole			
DEPTH:	3950	PROG:	66	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:	Air	574 scfm									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
3	TJ 0569	7.875"	Shram	SM 616	6 x 20	11 to 12	85 to 95	66	15.5	4.2	
4	135614	7 875	Veral	ETD18	3 X 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL.
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	72	231	529 psi			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE:	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	16.00	DST:	
HANDLE TOOLS:		TRIP:	5.50
CIRCULATE:	2.00	WAIT ON:	
NIPPLE ON BOP:		WELD BOWL:	
DRILL OUT:		DIR. WORK:	
REAM:		PASON:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME:	0.50	Other:	
Rig Out:		Nipple Up:	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS.	8.675	in.	24	lbs/ft.	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #10.8, 'G',2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011		WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0030	Install hydraulic hose
0030	0100	Circulate w/ water/ air to establish returns
0100	1700	Drill f/ 3884 to 3950
1700	1715	Circulate hole - pump gel sweep
1715	2000	Trip out of hole - pipe stuck - pump soap & air - work pipe - pipe came free
2000	2045	Circulate hole - pump gel sweeps w/ LCM - while recipocating pipe
2045	2400	Trip out of hole

Note: 70' Depth correction @ 3959' was 3889' (2 jts DP)

T/ Ferron 3660.
TD, 4300'

WT. OF D.C WT. OF STRING

Weather: Clear, cold and high winds

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 16, 2011	DAILY COST:	$18,745
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$302,158
EST. T.D.	4300'	AFE EST (D&A):	(D&C):

DAY:	11		REPORT DATE	07-Jan-00	STATUS,06:00			Working drill string at 3660 & mixing LCM pill			
DEPTH:	3950	PROG:		KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
MUD TYPE:	Water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:	Air	574 scfm									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	135614	7.875	Varmi	ETD18	3 X 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL.
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	85	234	281			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		LD D.P.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE:	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL:	
DRILL OUT:		DIR. WORK:	
REAM:		PABON:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME:		Other:	
Rig Out:		Nipple Up:	
TOTAL HOURS:			

LAST CASING SUMMARY

RAN	20	JTS	8.675	in.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G' 2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011		WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0415	Trip out of hole, LD PDC and bit sub
0415	1000	PU tricone bit and trip in hole, fill at 3100'
1000	1545	Mix & pump gel sweeps, worked pipe and got free.
1545	1600	Trip, LD 5 jts DP
1600	1800	Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill.
1800	1830	Pump and spot across annulus. Partial returns after 65 bbls
1830	2245	Mix 100 bbls Hi vis (49)LCM (6%), KCL (3% to 4%)pill.
2245	2300	Pump pill, full returns after pumping 40 bbls.
2300	2400	Wash and ream f/ 3100' to 3260'

T/ Ferron 3660
TD, 4300'

WT. OF D.C. WT. OF STRING

Weather: Clear, cold and high winds

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 15, 2011	DAILY COST:	$20,215
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$322,173
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	12		REPORT DATE	Nov. 28,2011	STATUS 06:00						Building mud volume
DEPTH:	4050	PROG:	100	KB:	7542.30	GL:	7529.30			MACP:	
SURVEYS:											
						28-Nov-11					
MUD TYPE:	Gel	WT:	8.7	VISC:	45+	WL:		PH:			FC:
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	135614	7.875	Veral	ETD19	3 X 20	20 - 25	75	100	10.25	9.8	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	102	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.O.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE:	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	10.25	DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:	12.75	WAIT ON:	
NIPPLE ON BOP:		WELD BOAR:	
DRILL OUT:		DIR. WORK:	
REAM:		PASOR:	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME:		Other	1.00
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS.	8.675	in.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G',2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011		WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	1245	Wash & ream f/ 3100' to 3950'
1245	1900	Drill f/ 3950' to 4090'
1900	2000	Mixing mud with high LCM content, reserve pit drawn down, have to use fresh water
2000	2400	Drill f/ 4020' to 4050'

T/ Ferron 3660
TD. 4300'

WT. OF D.C WT OF STRING

Weather: old & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:	2400 HRS NOV 16, 2011	DAILY COST:	$92,365
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$414,538
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

Wash and ream to bottom

DAY:	13	REPORT DATE	Nov 29,2011	STATUS 06:00						MACP:	
DEPTH:	4070	PROG:	20	KB:	7542.30		GL: 7529.30				
SURVEYS:											
						28-Nov-11					
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:			PH:		FC:
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20						

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	0.50	DST:	
HANDLE TOOLS:		TRIP:	11.75
CIRCULATE:	10.75	WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SUP LINE:	
STUCK & FISH:		WORK CON:	1.00
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS.	8.675	in.	24	lb/ft	LT&C	8 rnd	CSG.
LANDED AT:	906.00	MKB.	TOTAL LENGTH		906.00	METERS.			
CEMENTED WITH	1 st stage, 400sx #15.8, 'G',2 nd stage (top job), 100 sx #15.8								
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011		WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0030	Drill from 4050' - 4058'
0030	0800	Lost returns, building volume. Mix sweeps and worked pipe.
0800	1115	Increase air concentration to regain circulation
1115		Bleed off lines frozen. Decide to bleed off at top drive connection. Driller broke connection MUCH faster than he was instructed to.
	1215	Instant extreme u-tubing of wellbore fluids into pipe thru drill bit. Bit plugged instantly. Bleed off pressure.
1215	1315	Remove rotating head.
1315	1415	Pour diesel into drill pipe to try and unload it - not sucessful.
1415		POOH to unplug bit. Change bit and bit sub. INSTALL FLOAT - ***PREVIOUS BHA DIDN'T HAVE A FLOAT AS ONLY BIT SUB***
	2115	***CONTRACTOR HAS WAS IN TOWN FOR REPAIRS.*** Bit #4 showed pretty sever damage on 2 cones.
2115	2400	RIH with Bit # 5 TO 1937'.

T/ Ferron 3660.
TD, 4300'

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$26,575
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$441,113
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

DAY:	14		REPORT DATE	Nov. 29,2011	STATUS 06:00			Wash and ream to bottom			
DEPTH:	4101	PROG:	31	KB:	7542.30	GL:	7529.30		MACP:		
SURVEYS:											
						25-Nov-11					
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	ED1034	3 x 20	25	65				

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.O.D.S.:	
RIG TO SPUD:		LOG/NO:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	4.00	DST:	
HANDLE TOOLS:		TRIP:	13.50
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	6.50	Other:	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	20	JTS	8.675	in.	24	lbs/ft	LT&C	8 rnd	CSG.
LANDED AT	906.00	MKB.	TOTAL LENGTH		906.00	METERS			
CEMENTED WITH		1 st stage, 400sx #15.8, 'G',2 nd stage (top job), 100 sx #15.8							
PLUG DOWN AT		0145	HRS, ON	Nov. 20, 2011	WITH	No	M3 CEMENT RETURNS.		
LOGS RUN									

REMARKS

0000	0900	RIH from 1937' - 3556', circulating with air thru tight spots several times.
0900	1530	Hydraulic hose on top drive failed - no replacement on location. Wait on one to be made in Price and be delivered out to location.
1530	2000	Wash and ream into hole from 3,556' - 4,058' (well depth was adjusted to 4,058' as 4,070' was incorrect)
2000	2400	Drill ahead from 4,058' - 4,100'. Drilling very hard rock, bit bouncing erratically.

T/ Ferron 3660.
TD, 4300'

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007302420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$20,475
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$461,588
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

Wash and ream to bottom

DAY:	15		REPORT DATE	Nov. 30,2011	STATUS 06:00						
DEPTH:	4101	PROG:	31		KB: 7542.30		GL: 7529.30		MACP:		
SURVEYS:											
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20	25	65				

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.88
		TOTAL	275.88

TIME DISTRIBUTION

MOVE RIG		L.D.A.S.	
RIG TO SPUD		LOGGING	6.00
WELD ON BOP		CEMENT	
RIG SERVICE		WAIT MOVE	
SURVEY		WOC	
PRESSURE TEST		RUN CSG	1.00
DRILL	8.00	DST	
HANDLE TOOLS		TRIP	8.50
CIRCULATE	0.50	WAIT ON	
NIPPLE ON BOP		WELD BOWL	
DRILL OUT		DIR. WORK	
REAM		CASON	
SAFETY MEETING		SLIP LINE	
STUCK & FISH		WORK CON	
RIG DOWN TIME		Oil	
Rig Out		Nipple Up	
TOTAL HOURS	24.00		

LAST CASING SUMMARY							
RAN	20	JTS	8.675	in	24	LT&C	8 rnd CSG
LANDED AT	906.00	MKB	TOTAL LENGTH		906.00	lbs/ft	METERS
CEMENTED WITH	1 st stage, 400sx #15.8, 'G',2 nd stage (top job), 100 sx #15.8						
PLUG DOWN AT	0145	HRS. ON	Nov. 20, 2011	WITH	No	MJ CEMENT RETURNS	
LOGS RUN							

REMARKS

0000	0800	Drill ahed from 4,100' - 4275'. TD called at 4,275' based on production casing tally
0800	17:00	Trip OOH pulling from 3,900' up to 3,100' Had to circulate (with air assist) and work tight spots several times.
17:00	17:30	RU Pioneer Wireline Logging tools.
17:30	21:30	Run logs, then rig down logging equipmant
21:30	23:00	Prepare to run casing. Could not break off bit sub from top drive, forced to run casing by picking up every jt with circulating head, which will be very slow.
23:00	24:00	RIH with 5 1/2" casing. Casing details on next daily report.

T/ Ferron 3660.
TD, 4275'

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN CREEK ST SW 7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE:	API#43007502420000
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	0130 HRS, NOV. 18,2011	A.F.E. #:	
R.R. DATE:		DAILY COST:	$195,305
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$656,893
EST. T.D:	4300'	AFE EST (D&A):	(D&C):

Wash and ream to bottom

DAY:	18	REPORT DATE	Nov. 30,2011	STATUS 06:00					MACP:	
DEPTH:	4275	PROG:	174	KB:	7542.30	GL:	7529.30			
SURVEYS:										
						28-Nov-11				
MUD TYPE:	air/water	WT:	8.7	VISC:	45+	WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
5	137257	7.875	Varel	EDT034	3 x 20	25	65				

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL.
L & J F-100	Triplex	6"	7"						
L & J F-100	Triplex	6"	7"	as needed	234	475			

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit, PDC	7.875		1.00
Bit Sub	6.25	2.25	3.00
9 DCs	6.25	2.25	271.86
		TOTAL	275.86

TIME DISTRIBUTION

MOVE RIG:		L.D.D.P.:	
RIG TO SPUD:		LOGGING:	
WELD ON BEL:		CEMENT:	3.00
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	14.00
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out	7.00	Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN	103	JTS	5.5	in.	17	lbs/ft	LT&C	8 rnd CSG.
LANDED AT	4233.46	MKB	TOTAL LENGTH		4233.46	METERS		
CEMENTED WITH		See below						
PLUG DOWN AT	16:49	HRS. ON	01-Dec-11	WITH	No	M3 CEMENT RETURNS		
LOGS RUN								

REMARKS

0000		RIH with 102 jts of 5 1/2", 17 #/ft, N-80, LT&C production casing. Tagged hard at 4,252' KB. Could not work casing down any further.
	1400	REMOVE JOINT 102. Final tally into hole = 101 full joints + TWO - 9.95' marker joints. TOTAL = 103 joints. Land with Seaboard hanger
1400		RU Superior cementers and cement production casing with 475 sax of Premium Class "G" cement + 0.2% Air-Out + 40% Superball + 1% Super FL-300 + 2% CaCl2 + 0.25 #/sk Super Flake + 3% Super GR mixed at 10.7 PPG (yield = 2.39 cu"ft/sk, water = 8.23 gal/sk)
	1700	Displaced with 98 bbls of freash water. Bumped plugs at 16:49 12/1/2011. float held. NO RETURNS THROUGHOUT JOB.
1700	2000	Remove casing landing jt. Remove blocie line and nipple down BOPs. Install night cap on wellhead.
2000	24:00	Rig out tear out rig

CASING BOTTOM = 4233.46' FLOAT COLLAR = 4187.55' Marker jts at 3,980' and 3,636'

RIG RELEASED AT 24:00 HRS 12/01/2011

T/ Ferron 3660.
TD, 4275'

Weather: Cold & clear

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT
  Approximate date work will start: 9/4/2012
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	✓ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Perforate Ferron Formation

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We plan to perf the Lower Ferron 4024'-4028', 4017'-4020', 4006'-4010', 3984'-3990', 3965'-3967', 3958'-3960' & 3934'-3938', then acidize/frac the Lower Ferron perfs with a 38.6 T treatment. Then set WR plug at +/- 3925'. Then perf the Middle Ferron 3905'-3907', 3894'-3901', 3886'-3888', 3871'-3873', 3855'-3859', 3841'-3843' 3836'-3838', 3823'-3826', 3817'-3819', 3812'-3814', 3804'-3806' & 3798'-3800', then acidize/frac the Mid Ferron perfs with a 49.4 T treatment. Then set a WR plug at +/- 3790'. Then perf the Upper Ferron 3767'-3771', 3762'-3764', 3756'-3760', 3746'-3748', 3736'-3740', 3726'-3728', 3684'-3687' & 3669'-3673', then acidize/frac the Upper Ferron perfs with a 38.6 T fracture treatment. Then flow back all zones on clean up before moving on W/O rig to RIH & pull all WR plugs, then run tbg & rods. Then install pumpjack and place well on production as a Ferron Gas Well.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 27, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	8/21/2012

RECEIVED: Aug. 21, 2012

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 6/30/2012	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: No Activity

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

There was NO activity on this well from Drilling Rig Release Date (24:00 12/01/2011) until June 30, 2012. The well was cased with 5 1/2" production casing to 4,233.46' KB and is sitting as a cased Potential Ferron Gas Well.

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	8/27/2012

RECEIVED: Aug. 27, 2012

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (Highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46527

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER: GORDON CREEK SW-7-14-8

9. API NUMBER: 4300750242

10 FIELD AND POOL, OR WILDCAT: UNDESIGNATED

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

2. NAME OF OPERATOR: GORDON CREEK, LLC.

3. ADDRESS OF OPERATOR: 1179 E. MAIN, #345 CITY PRICE STATE UT ZIP 84501 PHONE NUMBER: (403) 453-1608

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 833 FSL & 2011 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 832.53' FSL & 2010.67' FWL
AT TOTAL DEPTH: 832.53' FSL & 2010.67' FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESW 7 14S 8E S

12. COUNTY: CARBON 13. STATE: UTAH

14. DATE SPUDDED: 11/18/2011 15. DATE T.D. REACHED: 11/30/2011 16. DATE COMPLETED: 10/26/2012 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): RKB = 7542.3'

18. TOTAL DEPTH: MD 4,275 TVD 4,275

19. PLUG BACK T.D.: MD 4,187 TVD 4,187

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CD/CN/GR, DUAL INDUCTION GUARD LOG/GR, CASED HOLE PULSED NEUTRON, CBL/CCL/GR

23.
WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
14.75"	12.75		0	40				0 CIR	
11"	8.625 J55	24	0	907		G 500		0 CIR	
7.875"	5.500 N80	17	0	4,233		G 474		219 CBL	

RECEIVED
NOV 13 2012
DIV. OF OIL, GAS & MINING

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375"	4,073							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) FERRON	3,663	4,162	3,663	4,162
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
3,669 4,028	0.56	492	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3669-3771 (MULTI INTS)	SLICKWATER BORATE FRAC w/ 29,274 # OF 20/40 WHITE & 59,941 # OF 16/30 WHITE
3798-3907 (MULTI INTS)	SLICKWATER BORATE FRAC w/ 39,846 # OF 20/40 WHITE & 70,853 # OF 16/30 WHITE
3934-4028 (MULTI INTS)	SLICKWATER BORATE FRAC w/ 31,040 # OF 20/40 WHITE & 62,486 # OF 16/30 WHITE

29. ENCLOSED ATTACHMENTS:

☑ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: COMP RPTS/PERFS

30. WELL STATUS: SHUT IN

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.
FERRON	3,663	4,162	SANDSTONES AND COALS

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Lower Bluegate Bentonite Mkr	3,580
Upper Ferron Marine SS	3,663
Ferron SS	3,719
Ferron Basal Marine	4,021
Tununk Shale	4,162

35. ADDITIONAL REMARKS (Include plugging procedure)

PLEASE SEE ATTACHMENT FOR COMPLETE PERF. INTERVALS, UNABLE TO FIT ALL INTERVALS ON THIS FORM.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) BARRY BRUMWELL, C.E.T. TITLE VICE PRESIDENT of OPERATIONS

SIGNATURE B Brumwell DATE 11/5/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

To Whom It May Concern;

The well GORDON CREEK SW-7-14-8 was perforated and stimulated with the following intervals:

STAGE #3	3669 - 3673	FRACTURE STIMULATED WITH A SLICKWATER BORATE FRAC with 29,274 # OF 20/40 WHITE SAND and 59,941 # OF 16/30 WHITE SAND.
	3684 - 3687	
	3726 - 3728	
	3736 - 3740	
	3746 - 3748	
	3756 - 3760	
	3762 - 3764	
	3767 - 3771	
STAGE #2	3798 - 3800	FRACTURE STIMULATED WITH A SLICKWATER BORATE FRAC with 39,846 # OF 20/40 WHITE SAND and 70,853 # OF 16/30 WHITE SAND.
	3804 - 3806	
	3812 - 3814	
	3817 - 3819	
	3823 - 3826	
	3836 - 3838	
	3841 - 3843	
	3855 - 3859	
	3871 - 3873	
	3886 - 3888	
	3894 - 3901	
	3905 - 3907	
Stage #1	3934 - 3938	FRACTURE STIMULATED WITH A SLICKWATER BORATE FRAC with 31,040 # OF 20/40 WHITE SAND and 62,486 # OF 16/30 WHITE SAND.
	3958 - 3960	
	3965 - 3967	
	3984 - 3990	
	4006 - 4010	
	4017 - 4020	
	4024 - 4028	

IT WAS NOT POSSIBLE TO FIT ALL OF THIS INFORMATION ON FORM 8.

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	September 22, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	1
AFE #:	11CMP013 Daily Cost: $32,190 Prev. Cost: $13,665	**Cummulative Cost:**	$45,855

Zones of Interest:				
	Name:	FERRON	Perf Int.'s	MULTIPLE
	Name:		Perf Int.'s	
	Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Tubing:	Size	Weight	Landed @	PSN Depth
#1				
#2				

Rod String:	No. of	Size	Type

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55					
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:**	4300750242

AM Pressures: **Tubing: N/A** **Casing: 0** **SCV: 0**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	Arrive on location. Hold Safety Meeting with all personnel on location
7:15	NABORS continue to move and spot frac equipment on location
	RNI filling water tanks - 71 bags of Potash spotted on each of 8 tanks
13:00	RMWS arrive on location. Rig up over wellhead with lubricator
	MU & RIH with Select Fire perf guns on 2 runs and perforate the Lower Ferron 4024'-4028', 4017'-4020', 4006'-4010', 3984'-3990', 3965'-3967', 3958'-3960' & 3934'-3938' with 25 gram charges(0.56" EH) loaded @ 6 shots/ft on 60° phasing.
15:00	Rig out and release wireline unit
	NABORS continue to spot frac equipment
	Weir/Seaboard install 10,000 psi Frac BOPs on 9/21/2012

Daily Cost Summary

Item	Amount
RFR - tank rent	$280
RNI - water haul	$4,680
RMWS - perfing	$6,800
HOWA - Potash	$17,145
Seaboard - BOP	$785
Seaboard - BOP	$2,500
Daily Cost:	$32,190

Personnel On Location:	
Rig:	43
Services:	7
G.C.L.L.C.:	2
Total:	52

Fluid Record:	Oil	Water
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	September 25, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	2 (Page #1)
AFE #:	11CMP013 Daily Cost: Prev. Cost:	**Cummulative Cost:**	$0

Zones of Interest:				
	Name:	FERRON	Perf Int.'s	Multiple
	Name:		Perf Int.'s	
	Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1				
#2				

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55				
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:**	4300750242

AM Pressures: **Tubing:** **Casing:** **SCV:**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
	NABORS finish rigging in all frac equipment yesterday and this morning
	Superheater pre-heated to 82° F last night
6:00	Leave Price, Utah and travel to location
7:00	Move some frac equipment around to have room to rig in wireline equip.
	Rig in RMWS Eline unit, picker unit and perf gun trailer.
8:00	Safety meeting with ALL personnel on location.
8:20	Rig to and pressure test to 7175 psi - dropped to 6651 psi after 10 mins
8:40	Bleed pressure off & prepare to pump Stage #1 frac
8:50	Commence with Stage #1 Frac - broke at 1817 psi @ 73 bpm (refer to
	Treatment Summary for full info.) ISIP = 228 psi, 5 min SIP - vacuum
	0.497 psi/ft frac gradient. NABORS OVERDISPLACED BY 10 bbls
9:20	Shut well in and rig up RMWS eline unit. MU, RIH and perforate the
	MID FERRON from 3905'-3907', 3894'-3901', 3886'-3888', 3871'-3873',
	3855'-3859', 3841'-3843', 3836'-3838', 3823'-3826', 3817'-3819',
	3812'-3814', 3804'-3806' & 3798'-3800'. ALL SHOTS FIRED in 2 RUNS
	POOH. MU & RIH with 5 1/2" Benoit Flow Thru WR Plug and set plug
	at 3925' COE. POOH, plug set.
12:00	Rig off eline unit and move lubricator off to side of wellhead.
	Commence with Stage #2 Frac - broke at 3234 psi @ 30 bpm (refer to
	Treatment Summary for full info.) ISIP = 855 psi, 5 min SIP - 355 psi
	10 min SIP = 216 psi, 15 min SIP = 138 psi. 0.663 psi/ft frac gradient.
12:55	Shut well in, bleed off pressure and rig on RMWS eline unit. MU, RIH
	and perforate the UPPER FERRON from 3767'-3771', 3762'-3764',
	3756'-3760', 3746'-3748', 3736'-3740', 3726'-3728', 3684'-3687' &
	3669'-3673'. POOH. ALL SHOTS FIRED in 2 RUNS. MU & RIH with
	5 1/2" Benoit Flow Thru WR Plug & set plug at 3790' COE.POOH, set.
15:00	Rig OUT eline unit and release RMWS
	(see page 2 for continuation of Daily Report)

Daily Cost Summary	
Item	Amount
Daily Cost:	$0
Personnel On Location:	
Rig:	
Services:	
G.C.L.L.C.:	
Total:	

Fluid Record:	Oil	Water
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	September 25, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	2 (Page #2)
AFE #: 11CMP013	Daily Cost: $165,365 Prev. Cost: $45,855	**Cummulative Cost:**	$211,220

Zones of Interest:				
	Name:	FERRON	Perf Int.'s	Multiple
	Name:		Perf Int.'s	
	Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1				
#2				

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55			
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:** 4300750242

AM Pressures: **Tubing:** **Casing:** **SCV:**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
15:15	Commence with Stage #3 Frac - broke at 1434 psi @ 6.8 bpm (refer to Treatment Summary for full info.) ISIP = 690 psi, 10 min SIP - 0 psi 0.624 psi/ft frac gradient.
15:40	Rig out all frac equipment and begin moving it to SE-B-7-14-8.

Daily Cost Summary

Item	Amount
RFR - tank rent	$280
Nabors - Frac	$155,000
RMWS - perfing	$6,800
Seaboard - BOP	$785
Seaboard - BOP	$2,500
Daily Cost:	$165,365

Personnel On Location:

Rig:	
Services:	
G.C.L.L.C.:	
Total:	

Fluid Record:	Oil	Water
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	October 23, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	3
AFE #: 11CMP013	Daily Cost: $3,815 Prev. Cost: $211,220	**Cummulative Cost:**	$215,035

Zones of Interest:			
Name:	FERRON	Perf Int.'s	Multiple
Name:		Perf Int.'s	
Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1				
#2				

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55			
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:** 4300750242

AM Pressures: **Tubing:** **Casing:** **SCV:**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
15:30	Move Professional Well Servie rig onto location, spot in & Rig Up
	ND wellhead, NU BOP's. Hydraulic hose blew on rig BOP's, shut blind
18:00	rams manually, shut in casing valves & tally top row of tubing. SDFN
19:00	Return to Price

Daily Cost Summary

Item	Amount
SWS	$1,000
Neilsons	$1,575
Prof WS	$840
Benoit Serv	$400
Daily Cost:	$3,815

Personnel On Location:	
Rig:	
Services:	
G.C.L.L.C.:	
Total:	

Fluid Record:	Oil	Water
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	October 24, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	4
AFE #:	11CMP013 Daily Cost: $11,425 Prev. Cost: $215,035	**Cummulative Cost:**	$226,460

Zones of Interest:				
	Name:	FERRON	Perf Int.'s	Multiple
	Name:		Perf Int.'s	
	Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1				
#2				

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55			
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:** 4300750242

AM Pressures: **Tubing:** **Casing:** **SCV:**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
8:00	Travel from Price to location
9:00	Repair hydraulic hose on rig's BOP's
10:00	PU and MU Benoit sand pump: check valve, 2nd check valve, 20 jts of 2 3/8" tubing, sand pump, bailer, check valve, 12 jts of 2 3/8" tubing, drain sub & 85 joints of 2 3/8" tubing. RIH and tag sand & bailed down to 3784', formation began giving up sand. Worked bailer for 30 mins & bailed down & latch R.B.P @ 3788'. Rig to and POOH, dump sand from tubing and lay down all sand pump components. Clean up tools and rig floor. There were 2 stands of tubing full of sand above bailer and the bailer was locked with sand. Clean out bailer and MU and RIH with Benoit sand pump: check valve, 2nd check valve, 24 jts 2 3/8" tubing, sand pump, bailer, check valve, 6 jts of 2 3/8" tubing, drain sub & 76
17:30	joints of 2 3/8" tubing. RIH with EOT @ 3488. SWIFN
18:30	Return to Price

Daily Cost Summary

Item	Amount
SWS	$1,000
Professional WS	$6,000
Benoit	$4,425
Daily Cost:	$11,425

Personnel On Location:	
Rig:	
Services:	
G.C.L.L.C.:	
Total:	

Fluid Record:	Oil	Water
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	October 25, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	5
AFE #: 11CMP013	Daily Cost: **$6,885** Prev. Cost: **$226,460**	**Cummulative Cost:**	**$233,345**

Zones of Interest:				
	Name:	FERRON	Perf Int.'s	Multiple
	Name:		Perf Int.'s	
	Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1				
#2				

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55			
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:** 4300750242

AM Pressures: **Tubing:** **Casing:** **SCV:**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
6:00	Travel from Price to location
7:00	Hold Safety Meeting with all personnel on location SICP = 0 psi. SITP = 30 psi. Open well and blew down in 35 secs - well dead. Continue to RIH - tagged sand at 3884', worked bailer down and latched onto R.B.P. at 3926'. Release R.B.P. and start to POOH - dragging up to 20,000# over string wt., then bgan pulling with no drag. Pulled 79 joints, lay down drain sub, pulled another 12 jts, laid down check valve, sand pump, bailer, 24 jts, check valves, R.H and R.B.P. Had pieces of iron behind 1 set of slips on the R.B.P. and the slips were bent. Clean up sand and ice from equipment. MU and RIH with chisel tip, check valves, 24 jts of tbg, sand pump, bailer, check valve, 12 jts of tbg, drain sub & 92 jts of 2 3/8" tbg. Tag sand at 4163' - bailed down to 4199'. Rig to and POOH and dump sand and lay out all Benoit bailing equipment. Clean sand out of all equip.
16:30	SWIFN, pick up everything off of ground - going to snow tonight.
17:30	Return to Price.

Daily Cost Summary

Item	Amount
SWS	$1,000
Professional WS	$3,440
Benoit	$2,445
Daily Cost:	$6,885

Personnel On Location:

Rig:	
Services:	
G.C.L.L.C.:	
Total:	

Fluid Record:	**Oil**	**Water**
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	GORDON CREEK SW-7-14-8	**Todays Date:**	October 26, 2012
Objective:	PERF/FRAC 3 STAGES FERRON, RUN TBG, BHP/RODS	**Day #:**	6
AFE #:	11CMP013 Daily Cost: $27,000 Prev. Cost: $233,345	**Cummulative Cost:**	$260,345

Zones of Interest:				
	Name:	FERRON	Perf Int.'s	Multiple
	Name:		Perf Int.'s	
	Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8 5/8"	24	J-55	906'
Production:	5 1/2"	17	N-80	4233.46'
Inter/Liner:	0	0	0	0

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1	2 3/8"	4.7 #	4073.55'	4036.42'
#2				

Pump Description:

Depths:	TD:	4275	PBTD:	4187.55			
Elevations:	KB:	7542.3	GL:	7529.3	KB-GL:	13.00	**API #:** 4300750242

AM Pressures: **Tubing:** **Casing:** **SCV:**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
6:00	Travel to location from Price
7:00	Hold safety meeting with all personnel on location. SICP = 7 psi.
	Open valve and bleed well down in 10 seconds.
7:30	MU and RIH wih 2 3/8" production tubing string as follows:

KB:	LENGTH	DEPTH KB
KB - GND	11.00'	11.00'
1 - Tubing Hanger	0.80'	11.80'
1 - jt of 2 3/8", 4.7#, J-55, EUE TBG	32.32'	44.12'
1 - 2 3/8", 4.7#, J-55, EUE X 4' Pup Jt	4.05'	48.17'
1 - 2 3/8", 4.7#, J-55, EUE X 6' Pup Jt	6.02'	54.19'
1 - 2 3/8", 4.7#, J-55, EUE X 8' Pup Jt	8.10'	62.29'
123 - jts of 2 3/8", 4.7#, J-55, EUE TBG	3973.03'	4035.32'
1 - API - PSN	1.10'	4036.42'
1 - 2 3/8", 4.7#, J-55, EUE X 4' perfed Pup Jt	4.02'	4040.32'
1 - jt of 2 3/8", 4.7#, J-55, EUE TBG	32.41'	4072.85'
1 - 2 3/8" Notched Collar	0.70'	4073.55'

Time	Detailed Description of Previous Days Operations
10:45	Land tubing with Tubing Hanger, tighten down lock screws.
11:00	ND BOP's and install wellhead. Rig up swabbing equipment
11:30	Begin swabbing on well. ***Swab results on attached Word document.***
17:30	Complete swabbing. Rig down rig to prepare to move back to base.
19:00	Travel back to Price
20:00	Arrive in Price.

Daily Cost Summary

Item	Amount
SWS	$1,000
PWS	$6,000
Tubing + Acces	$20,000
Daily Cost:	$27,000
Personnel On Location:	
Rig:	
Services:	
G.C.L.L.C.:	
Total:	

Fluid Record:	Oil	Water
Hauled in		
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	
Lease:	
Roads:	
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	STINSON / JOHN SPENS
Cell #:	435-630-6344
Alt #:	0
Report to:	Barry Brumwell - Calgary Head Ofc.
Email to:	bbrumwell@thunderbirdenergy.com

SWAB REPORT

WELL: SW-7-14-8

DATE: 10-26-2012

RUN #	FLUID LEVEL	PULLED FROM	BBLS PULLED	TOTAL BBLS	COMMENTS
1	1750'	3400'	5.5	5.5	Nasty black water, no sand , no gas
2	1750'	3400'	5.5	11	Nasty black water, no sand , no gas
3	1750'	3400'	5.5	16.5	Black water, trace sand & gas cut @ end of run.
4	1750'	3400'	5.5	22	Grey water, trace of sand, SICP = 1 psi
5	1750'	3500'	6	28	Grey water, trace of sand, SICP = 1 psi
6	1750'	3500'	6	34	Green gel at start, then clear water
7	1800'	3550'	6	40	SICP after swab – 4 psi
8	1800'	3550'	6	46	SICP after swab – 4 psi
9	1800'	3550'	6	52	SICP after swab – 4 psi
10	1800'	3550'	6	58	SICP after swab – 4 psi
11	1800'	3550'	6	64	SICP after swab – 5 psi
12	1800'	3550'	6	70	SICP after swab – 5 psi
13	1800'	3550'	6	76	SICP after swab – 5 psi
14	1800'	3550'	6	82	SICP after swab – 5 psi
15	1800'	3550'	6	88	SICP after swab – 5 psi
16	1800'	3550'	6	94	SICP after swab – 5 psi
17	1800'	3550'	6	100	SICP after swab – 5 psi
18	1800'	3550'	6	106	SICP after swab – 5 psi

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT
  Approximate date work will start: 3/2/2013
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	✓ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

We are experiencing low efficiency from the 1.5" insert pump installed in this well as the well's fluid level is very high. We plan to move a workover rig onto the well and pull the existing rods and insert pump. We will then pull the 2 3/8" production tubing out of the well and install a new 2 3/8" TUBING PUMP with 2.25" plunger on the bottom of the tubing. We will re-run the 2 3/8" tubing back into the well and land the tubing pump at +/- 3000'. We will then run the 0.75" rods into the well with an on/off connector on the bottom of the rods and latch the rods onto the tubing pump. We will then place the well back on production.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 05, 2013

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	2/25/2013

RECEIVED: Feb. 25, 2013

GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

May 27, 2014

Via FedEx

43 007 50242
Gordon Creek St SW 7-14-8
7 14S 8E

Barry Brumwell
Vice President of Operations
Thunderbird Energy / Gordon Creek, LLC
#800, 555 – 4th Avenue S.W.
Calgary, Alberta, Canada T2P 3E7

Subject: Oil and Gas General Conservation Rule R649-3-36 - Shut-in and Temporarily Abandoned Wells

Dear Mr. Brumwell:

The Division of Oil, Gas and Mining (the "Division") issued Gordon Creek LLC c/o Thunderbird Energy (Gordon Creek) a Shut-in and Temporary Abandonment Notice of Violation (NOV), dated November 12, 2012, for the following seven (7) wells:

Burnside 29-14-8	API	43-007-30725	SI/TA approval - May 1, 2014
Gordon Creek ST 1-30-14-8	API	43-007-31235	SI/TA approval - Feb 1, 2014
Gordon Creek ST 4-18-14-8	API	43-007-30881	SI/TA approval - May 1, 2014
Gordon Creek ST 2-20-14-8	API	43-007-30883	Subsequent Sundry 2/15/2013 For Record Only
Gordon Creek ST 3-20-14-8	API	43-007-31233	SI/TA approval - May 1, 2014
Gordon Creek ST 2-29-14-8	API	43-007-31234	SI/TA approval - Feb 1, 2014
Gordon Creek ST 19-14-8(B)	API	43-007-30807	SI/TA approval - May 1, 2014

In response to the NOV, the Division and Gordon Creek held a December 2012 conference call. Gordon Creek stated they had capital for equipping the field with well-site separators, electrification, pumping equipment and pipelines. Gordon Creek also stated they had capital for drilling additional wells in the field and committed to meeting shut-in well requirements for the above subject wells. Gordon Creek submitted a letter dated December 18, 2012, stating that it conducted casing integrity tests on all of the subject wells between July and September of 2010. Similar tests were also conducted on five (5) of the subject wells in 2011. The integrity tests were submitted to the Division. In addition, Gordon Creek submitted a letter dated December 19, 2012, specifically outlining its 2013 field development plans to electrify parts of the field, recomplete the Gordon Creek ST 4-18-14-18, Gordon Creek ST 3-20-14-8 and Gordon Creek ST 2-29-14-8 wells and drill 20 new additional wells. The Division later granted shut-in and temporary abandonment approvals for six (6) of the seven (7) wells listed above based on submitted sundries meeting shut-in extension requirements and the field plans described in the December 2012 letters with the understanding Gordon Creek would keep the Division updated on field development and any changes to the plans.

If any of the above proposed work was accomplished last year Gordon Creek did not keep the Division informed. We reviewed the Gordon Creek ST 4-18-14-18, Gordon Creek ST 3-20-14-8 and Gordon Creek ST 2-29-14-8 well files and did not find any notices of intent for recompletion or subsequent recompletion sundries for the wells. If work was done on the wells please submit sundries

immediately for the well files. Also, the above extended shut-in approvals required periodic pressure and fluid monitoring to ensure ongoing integrity of the wells. The periodic monitoring should have also been submitted to the Division on individual well sundries for Division review and well files. Shut-in extensions for two of the above wells expired February 1, 2014 and the other four expired May 1, 2014.

As of the date of this letter Gordon Creek currently have seventeen (17) shut-in wells, the above listed seven wells and the following ten (10) new wells:

Gordon Creek ST 1A-18-14-18	API	43-007-30892	Last Prod – June 2013
Gordon Creek NE-31-13-8	API	43-007-50243	Last Prod – May 2013
Gordon Creek NE-32-13-8	API	43-007-50245	Last Prod – March 2013
Gordon Creek SW-32-13-8	API	43-007-50246	Last Prod – June 2013
Gordon Creek NW-5-14-8	API	43-007-50248	Last Prod – July 2013
Gordon Creek ST SW-7-14-8	API	43-007-50242	Last Prod – May 2013
Gordon Creek ST SE-B-7-14-18	API	43-007-50255	Last Prod – April 2013
Gordon Creek NW-32-13-18	API	43-007-50244	Last Prod – Jan 2014
Gordon Creek NW-31-13-8	API	43-007-50250	OPS – Spud Feb 2012
Gordon Creek SE-32-13-8	API	43-007-50247	OPS – Spud Jan 2012

The operator is responsible to file, yearly, for extended shut-in or temporary abandonment for wells shut-in or temporarily abandoned for a period of twelve (12) consecutive months. Gordon Creek must file a Sundry Notice providing the following information for each of the above seventeen listed wells; reasons for shut-in or temporarily abandonment of the well, length of time the well is expected to be shut-in or temporarily abandoned and an explanation and supporting data showing the well has integrity (R649-3-36.1). After review the Division will either approve the continued shut-in or temporarily abandoned status or require remedial action (R649-3-36.2). After five (5) years of non-activity or non-productivity, the well shall be plugged in accordance with R649-3-24, unless approval for extended shut-in time is given by the Division upon a showing of good cause by the operator (R649-3-36.3). Please note, six (6) of the seventeen wells listed above have been shut-in over five (5) years.

Gordon Creek has until **June 30, 2014,** to submit sundries, for the subject wells, in accordance with **Oil and Gas Conservation General Rule 649-3-36 Shut-in and Temporarily Abandoned Wells**.

Should Gordon Creek not meet shut-in and temporarily abandoned well requirements, the Division is prepared to file a Notice of Agency Action (NAA) for Commencement of Informal Adjudicative Proceedings (R649-10-3) for this matter in accordance with Oil and Gas Conservation General Rule R649-10 Administrative Procedures.

If you have any questions or need further assistance, please feel free to contact me at clintondworshak@utah.gov or 801-538-5280 or Dustin Doucet, Petroleum Engineer, at dustindoucet@utah.gov or 801-538-5281.

Sincerely,

Clinton Dworshak
Oil and Gas Compliance Manager

CLD/js
cc: John Rogers, Oil & Gas Associate Director
Dustin Doucet, Petroleum Engineer
Well Files
Compliance File

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
GORDON CREEK ST SW-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502420000

3. ADDRESS OF OPERATOR:
1179 E Main #345 , Price, UT, 84501

PHONE NUMBER:
403 453-1608 Ext

9. FIELD and POOL or WILDCAT:
GORDON CREEK

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
0833 FSL 2011 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SESW Section: 07 Township: 14.0S Range: 08.0E Meridian: S

COUNTY:
CARBON

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT
  Approximate date work will start: 4/15/2015
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	✓ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	✓ PLUG BACK
✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change Surface Production E

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The purpose of this workover is to shut off excessive water production from the lower Ferron perfs & increase the volume capability of both the BHP & the surface pumping equipment. The existing 228 pumpjack will be decommissioned & removed from the wellsite, then a workover rig with pump & tank will be moved onto the well. The well will be killed with produced water, the rods and insert BHP will be pulled and laid down, the 2.375" tubing will be pulled, inspected & laid down, then a retrievable bridge plug will be set on wireline at 3828'. A new 3.750" tubing pump will then be run on new 2.875" tubing and set at 3774', then new 3/4" rods will be run and latched into the BHP. A used high volume RotoFlex pumpjack will then be installed onto the well and started up at 3 SPM. The well will then be placed back on production as a Ferron gas producer.

Approved by the Utah Division of Oil, Gas and Mining
March 24, 2015
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations

SIGNATURE	DATE
N/A	3/23/2015

RECEIVED: Mar. 23, 2015

BEATTY & WOZNIAK, P.C.

ATTORNEYS AT LAW

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BTAYLOR@BWENERGYLAW.COM

December 24, 2014

Clinton Dworshak
Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 300
Salt Lake City, UT 84116

Dear Clint:

The purpose of this letter is to place in writing the agreement between Gordon Creek Energy, Inc. ("Gordon Creek") and the Utah Division of Oil, Gas and Mining (the "Division"), in order to satisfy the requirements of the August 4, 2014 Division Bonding Order (the "Order") issued by the Division.

At a meeting between Gordon Creek and the Division at the offices of the Division on Wednesday October 29, 2014, the Division and Gordon Creek discussed the various issues associated with Gordon Creek's operations in Utah and the impact the Order has on those operations. As a result of those discussions, it is understood by the Division that Gordon Creek is in the process of obtaining both short term and long term financing to enhance its operations in the State of Utah and that securing this financing is essential for Gordon Creek to acquire the necessary bonding for its wells in the State of Utah. It is anticipated that Gordon Creek will obtain some of this financing in early December 2014. Based on the receipt of those funds, Gordon Creek and the Division agreed to the following terms and conditions to withhold enforcement of the Order:

1. The funds obtained in December of 2014 will be used to re-work Gordon Creeks existing shut-in wells and improve the existing infrastructure of Gordon Creeks operations in the State of Utah. It is anticipated that all re-working activities will be completed by the end of December 2014 for the following wells:

API No.	Well Name
43-007-30881	Gordon Creek 4-18-14-8
43-007-30892	Gordon Creek 1A-18-14-8
43-007-50242	Gordon Creek SW 7-14-8

43-007-50243	Gordon Creek NE 31-13-8
43-007-50244	Gordon Creek NW 32-13-8
43-007-50245	Gordon Creek NE 32-13-8
43-007-50246	Gordon Creek SW 32-13-8
43-007-50248	Gordon Creek NW 5-14-8
43-007-50249	Gordon Creek NE 5-14-8
43-007-50255	Gordon Creek SE B 7-14-8

2. Given the winter closure requirements of the Utah Division of Wildlife Resources, from December 1, 2014 until April 15, 2015, and the amount of surface disturbance required to rework the wells, all re-working activities will be completed by June 30, 2015 for the following wells:

API No.	Well Name
43-007-30725	Burnside 29-14-8
43-007-30807	Gordon Creek ST 19-14-8(B)
43-007-30883	Gordon Creek ST 2-20-14-8
43-007-31233	Gordon Creek ST 3-20-14-8
43-007-31234	Gordon Creek ST 2-29-14-8

3. Gordon Creek will provide Sundry Notices to the Division on the progress of these well and infrastructure activities as required by the Well Workover and Recompletions rule, Utah Admin. Code R649-3-23.

4. The Division will not require Gordon Creek to provide bonding for all of its well locations at once, but will allow it to acquire the necessary depth bonding as described in R649-3-1(5.3) to cover the equivalent of four wells at a time at the rate of $30,000.00 per well.

5. The existing $120,000.00 blanket bond and the future bonding or surety, provided by Gordon Creek, as outlined in Paragraph 7 below, will cover all of the wells listed on Schedule A of the Order as two separate blanket bonds. In the event it becomes necessary to use proceeds from the blanket bonds, the Division will apply the proceeds to any one or more of the wells listed on Schedule A at its discretion. As such, if the plugging of a well, or group of a wells, cost less than the estimated $30,000.00 as outlined in R649-3-1(5.3), the Division can use the remaining amount to plug and/or reclaim any of the other wells and well sites on Schedule A.

6. The first payment of $120,000.00 covering the equivalent of four wells will be due and payable by February 27, 2015.

7. Gordon Creek will make additional $120,000.00 payments every three months until all of the existing shut-in wells listed on Schedule A of the Order are fully covered. These additional payments will be due on or before May 29, 2015, August 31, 2015, and November 30, 2015, with a final payment covering any outstanding amounts by February 27, 2016.

8. In the event Gordon Creek obtains additional long term financing prior to February 27, 2016, it will pay any remaining amount owed to have depth bonding on all of its wells in the State of Utah within 30 days of the closing date of the additional financing.

9. The Division will conduct a surface inspection of the wells listed as "Location Abandoned" on Schedule A of the Order to determine if any reclamation work is needed. In the event no reclamation work is needed, the $1,500.00 bond requirements listed for those lands will be removed from the total amount owed by Gordon Creek.

10. When Gordon Creek has satisfied the requirements for a blanket bond under R649-3-1 (6), the Division will release all additional bonding required by the Order upon the request of Gordon Creek.

If I have accurately stated our agreement and understanding, please sign below and return to me at your earliest opportunity.

Respectfully,

Brian A. Taylor

Brian A. Taylor
Attorney for Gordon Creek Energy

Gordon Creek Energy, Inc.

Rupert Evans
President

The above correctly sets forth our agreement and understanding

Utah Division of Oil, Gas and Mining

Date: 12/30/14

Clinton L Dworshak
By: Clinton Dworshak
Compliance Manager

BAT: dc
5056.0002
334073
cc: John Rogers, Associate Director
Dustin Doucet, Petroleum Engineer
Douglas J. Crapo, Assistant Attorney General
John Robinson Jr., Assistant Attorney General