API Well Number: 43007502550000

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 SE-B-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)
46537

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

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

13. NAME OF SURFACE OWNER (if box 12 = 'fee')

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

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	1353 FSL 631 FEL	NESE	7	14.0 S	8.0 E	S
Top of Uppermost Producing Zone	1353 FSL 631 FEL	NESE	7	14.0 S	8.0 E	S
At Total Depth	1353 FSL 631 FEL	NESE	7	14.0 S	8.0 E	S

21. COUNTY
CARBON

22. DISTANCE TO NEAREST LEASE LINE (Feet)
631

23. NUMBER OF ACRES IN DRILLING UNIT
160

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1700

26. PROPOSED DEPTH
MD: 3807 TVD: 3807

27. ELEVATION - GROUND LEVEL
7728

28. BOND NUMBER
RLB0010790

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Drilled Well (WATER RIGHTS #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 - 800	24.0	J-55 Casing/Tubing	8.7	Class G	377	1.142	15.84
Prod	7.875	5.5	0 - 3807	17.0	N-80 LT&C	10.0	Class G	331	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** 11/08/2011 **EMAIL** bbrumwell@thunderbirdenergy.com

API NUMBER ASSIGNED
43007502550000

APPROVAL

Permit Manager

RECEIVED: November 21, 2011

MULTI-POINT SURFACE USE PLAN

Attached to UDOGM Form 3

GORDON CREEK, LLC.
SE-B-7-14-8
1,353.33' FSL & 631.01' FEL
NE/4 of SE/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 was re-conditioned before starting operations on the original SE-7-14-8 well, 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.

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

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 – 800
7 7/8	5 1/2	17.00	N-80	LT&C	0 – 3,807

B. CEMENTING PROGRAM

The 8 5/8" surface casing will be set and cemented full length with approximately 377 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).

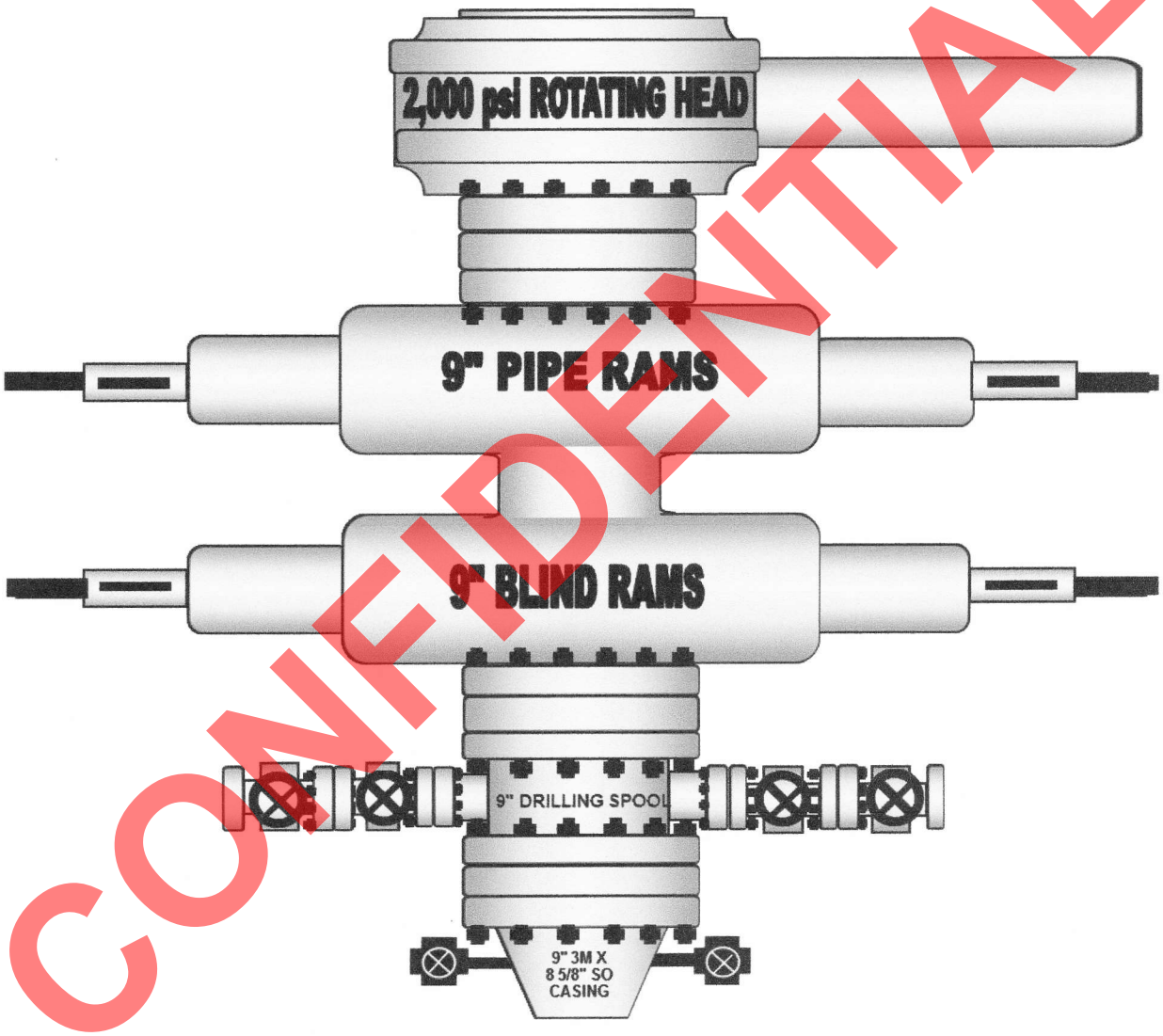
The 5 ½" production casing will be set and cemented full length using 331 sx of 0-1-0 "G" Light Weight cement incorporating 42% "SuperBall" centrospheres to lighten the cement density + 3% NaCl, 0.3% Air-out, 1.5% SFl-300, 0.2% SCR-2. The cement will be mixed at 10.7 ppg (yield = 2.69 ft3/sk); volume 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.

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.



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

0' – 800'	11" Surface Hole	Drill with air, will mud-up if necessary.
800' – 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

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.

8. 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.

9. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

As per verbal approval from Dustin Doucet, the rig has been moved over to the proposed new well coordinates on the original well pad. The 14 ¾' conductor hole was spudded at 16:00 HRS on 11/05/2011. Spud notice has been provided to Mark Jones of DOGM in Price, Utah. Additionally, 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.

THUNDERBIRD ENERGY

GORDON CREEK SE-B-7-14S-8E

NE/4 OF SE/4, 1,353.33' FSL + 631.01' FEL

DRILLED WITH AIR

SURFACE LEASE #: ML-46537
MINERAL LEASE #: ML-46537
AFE: 11DRL029
WORKING INTEREST: 100%
RIG:
DRILL DAYS BELOW SURFACE CASING SHOE: 5

Survey Grd. Ele: 7,375.1'
Est. KB Elev: 7,387'
11.9' KB

VERTICAL WELL

8 .625" Casing Set @ ~800'

BOP'S 9", 3000 # CASING BOWL

11" Surface Hole

7.875" Main Hole

5.500" CASING SET AT 3,807'

TOPS	ft TVD
Emery Fm.	Sfc.
SURFACE CASING	800
BASE OF GROUNDWATER	TBD
MUD UP ONLY IF WATER INFLUX OCCURS OR TIGHT HOLE CONDITIONS OCCUR	
Begin taking samples on Geologists orders	
Blue Gate Shale Mbr **	1,433'
Lower Bluegate Bentonite Marker	3,202'
FERRON SS/COAL * (750 psi) AIR DRILL THROUGH ZONE IF POSSIBLE	3,337'
Tununk Shale	3,749'
* PRIMARY ZONE OF INT. ** SECONDARY ZONE	
TD	3,807'

EMERGENCY PLANNING ZONE SUMMARY

SWEET WELL: THUNDERBIRD"S CORPORATE EMERGENCY RESPONSE PLAN APPLIES

CASING DESIGN

	Interval (ft)	O.D. (inches)	#/ft	Grade	Thread	Burst (psi)	Collapse (psi)	Opt.Torque (ft lbs)
Surface:	0 - 800	8 5/8	24	J-55	ST&C	2,950	1,370	2,440
Main:	0 - 3,807'	5 1/2	17	N-80	LT&C	7,740	6,280	3,480

*ENSURE THAT **MARKER JOINTS** ARE PLACED IN THE CASING STRING OPPOSITE ANY PAY ZONE

TARGET: FERRON SANDSTONE/COAL; **CASING TO BE CUT 16" ABOVE CASING BOWL**

CEMENTING PROGRAM - Primary - Single Stage

	Bit Size (inches)	Cement	Additives	Yield (ft^3/sk)	Volume (sx)	% Excess	Cmt Top (ft)	Density (#/gal)
Surface:	11	0-1-0 "G"	2% $CaCl_2$ + Cellophane flakes	1.142	377.3	100	SFC	15.84
Main:	7 7/8	Superball 10.7	3% NaCl, 0.3% Air-out, 42% Superball, 1.5% SFI-300, 0.2% SCR-2	2.69	331.0	35	SFC	10.70

DRILLING FLUIDS

	Interval	Type	
Surface :	0 - 800	AIR or water	Drill with AIR, "mud up" with water & LCM if water influx occurs. Run occasional gel sweeps when drilling with water/LCM. Condition mud thoroughly prior to POOH to run/cement casing
Main:	800 - 3,100	AIR	MUD UP ONLY if water influx occurs or if TIGHT HOLE
	3,100-3,807	Gel Chemical	conditions become prevailant. MUD UP at ~ 3,100' to TD.

11" SURFACE HOLE

- **Spud with an approved water well/surface casing rig** and drill to surface TD of about 800 ft. Survey every 100'. Ensure that the surface hole deviation does not exceed 3 degrees. Set surface casing at least 50' below any water influx zone.

- **NOTE:** MUD UP with Gel Chemical mud system immediately if water influx becomes problematic. Refer to the Mud Program and the Cementing Program for futher information.

7 7/8" MAIN HOLE: VERTICAL HOLE

- Move on conventional drilling rig and drill out with and AIR DRILL as far as possible with air. Survey every 300'. Ensure that deviation does not exceed 3 degrees. Notify Calgary operations immediately if a 3 degree deviation is exceeded.
- **TIGHT HOLE** is possible on connections. REAM HOLE at first indication of tight hole and attempt to continue to air drill.
- **COAL/SHALE SEAMS** can occur in the wellbore which may be faulted and unconsolidated resulting in sloughing hole conditions.
- H_2S WILL NOT be encountered.
- MUD UP ONLY if water influx occurs OR if tight hole conditions become prevailant.
- **OVER PRESSURE:** Generally, all zones in the wellbore should be underpressured (below normal water graidient) or have normal pressure gradients.
- **LOST CIRCULATION** should not occur.
- **FERRON SS/COAL PENTRATION** - ATTEMPT TO AIR DRILL THROUGH THE FERRON ZONE. WATER may be encountered upon penetration. Ensure good hole conditions are prevalent to penetrating the FERRON.
- **MUD UP** - switch to a Gel Chem drilling fluid system at ~3,100' OR if water/tight hole problems occur.
- **Mud Check** - prior to POOH for logging, condition the mud and check mud properties with mudman. **DO NOT POOH until the wellbore is circulating free of cuttings and the mud properties are optimal for logging.**

NOTE: Ensure the well is cemented to surface or that an abandonment program has been appproved by THUNDERBIRD.

SAMPLE REQUIREMENTS/ EVALUATION

T-BIRD	Begin taking 2 sets of samples every 10 feet at 2,640' to TD
GOVT:	As per regulations
Detection:	Gas detection/ PASON Mud Log as per Geologist's request.
Cores:	No coring
DST:	No DST's

LOGGING PROGRAM - NUMBER OF COPIES OF EACH LOG:		# of copies
DIL-GR-SP	T.D. to surface casing	4
CNL-LDT-GR-GAL	T.D. to 2,640'	4

Run a multi-arm caliper log to ensure correct calculation for cement volumes on casing or plugs.

EXHIBIT "A"

CASING DESIGN
GORDON CREEK ST SE-B-7-14-8
PROJECTED TD: 3,807' KB

SURFACE CASING (0' – 800')

Diameter	$8\ ^{5}/_{8}$"
Interval	800' 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 3,807	857 psig
Burst rating of casing string:	2,950 psi	
Safety factor =	***2,950 psi / 857 psi =***	***3.44***

Collapse Design

Collapse pressure is negligible on this surface string.

Tension Design

String weight in air	19,200 #
Tensile strength of joint	244,000 lbf
Safety factor of joint	12.7

PRODUCTION CASING (0' – 3,807')

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:	3,807' X 0.4863 =	1,851 psig
Safety factor =	***7,740 psi / 1,851 psi =***	***4.18***

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:	3,807' X 17 #/ft =	64,719 lbf
Safety factor =	***348,000 lbf / 64,719 lbf =***	***5.38***

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:	3,807' X 0.53 psi/ft =	2,017 psi
Safety factor =	***6,280 psi / 2,017 psi =***	***3.11***

Production Casing Design

Interval (ft)	Weight (#/ft)	Grade	S.F. Burst	S.F. Collapse	S.F. Tension
3,669' – 0'	17	N-80	4.18	5.38	3.11

DRILLING PLAN and PROGRAM

Attached to UDOGM Form 3

GORDON CREEK, LLC.
SE-7-14-8
1,353.33' FSL & 631.01' FEL
NE/4 of SE/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 43-007-31230. THE LOCATION WAS CONSTRUCTED AND 20" CONDUCTOR PIPE SET BEFORE OPERATIONS WERE SUSPENDED. OPERATIONS ON THE WELL RE-COMMENCED WHEN THE 11" SURFACE HOLE WAS "SPUDDED" ON10-25-2011. WELLBORE PROBLEMS WERE ENCOUNTERED AT 1,195' KB AND THE WELL HAD TO BE PLUGGED AND ABANDONED. THE RIG WAS "SKIDDED' OVER 45' TO THE WEST TO RE-DRILL THE WELL, BEING APPLIED FOR AS SE-B-7-14-8 (refer to attached updated survey plan) .***

1. *SURFACE GEOLOGIC FORMATION*

Emery Sandstone Member of the Mancos Shale

2. *ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS*

Mancos Blue Gate Shale top:	1,433' KB
Lower Blue Gate Bentonite Marker:	3,202' KB
Ferron SS:	3,337' KB

3. *PROJECTED GAS & H_20 ZONES*

Groundwater was encountered within the Emery Sandstone Member of the Mancos Shale both at 356' KB and 518' KB in the original SE-7-14-8 well, therefore it is assumed it will be encountered at those same depths in the SE-B-7-14-8 re-drill wellbore. Therefore, surface casing will be set to 800' instead of at 450' as originally planned in this drilling program. Any water encountered will be reported on a Form 7 "Report of Water Encountered During Drilling". All indications of usable water will be reported.

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

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.

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.

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

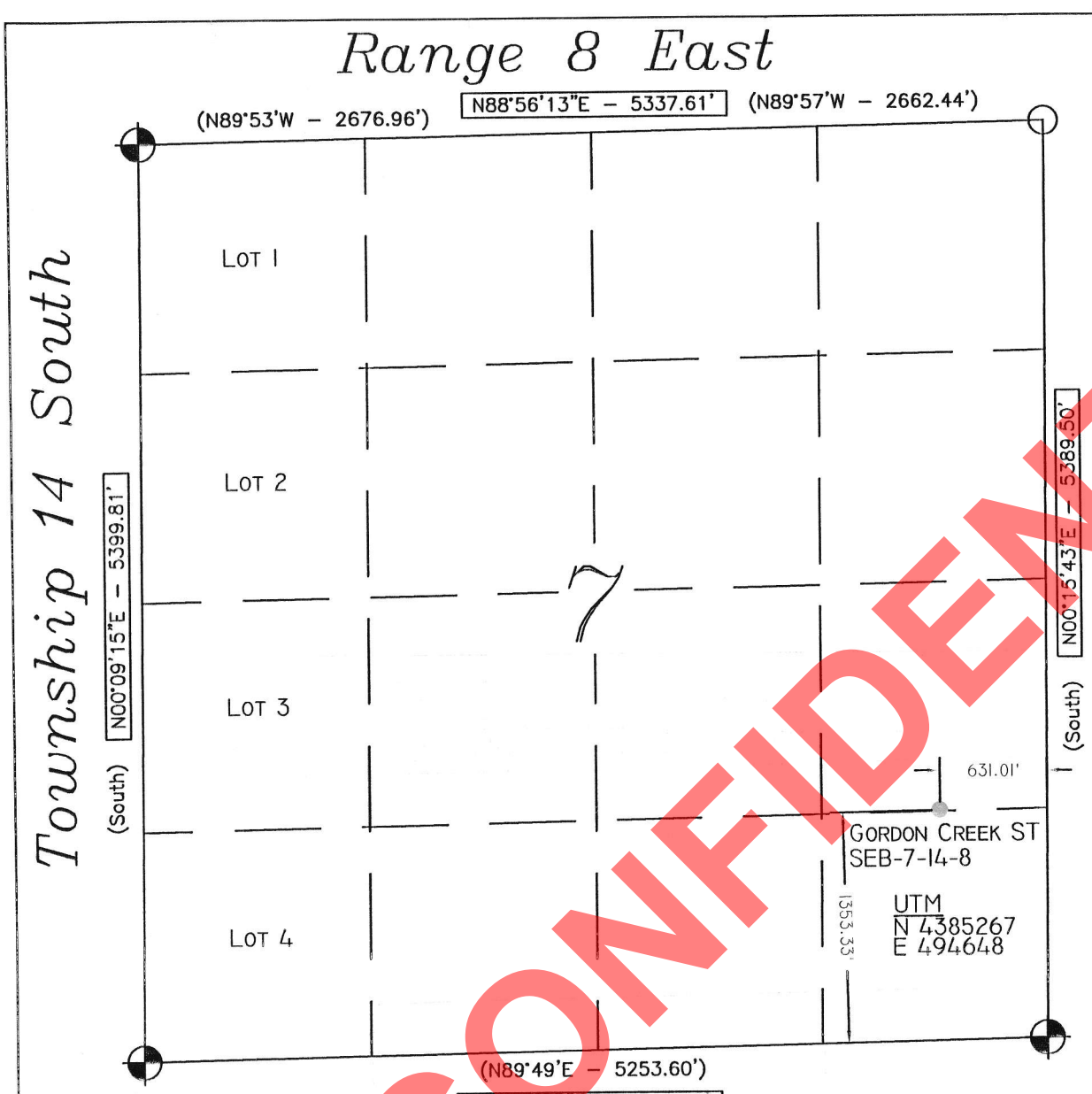
14. CERTIFICATION

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.

11/05/2011
DATE

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

API Well Number: 43007502550000



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°37'08.500" N
111°03'44.469" W

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 NE/4 SE/4 of Section 7, T14S, R8E, S.L.B.&M., being North 1353.33' from South Line and West 631.01' from East 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
State of Utah

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

Revision: 11/7/11

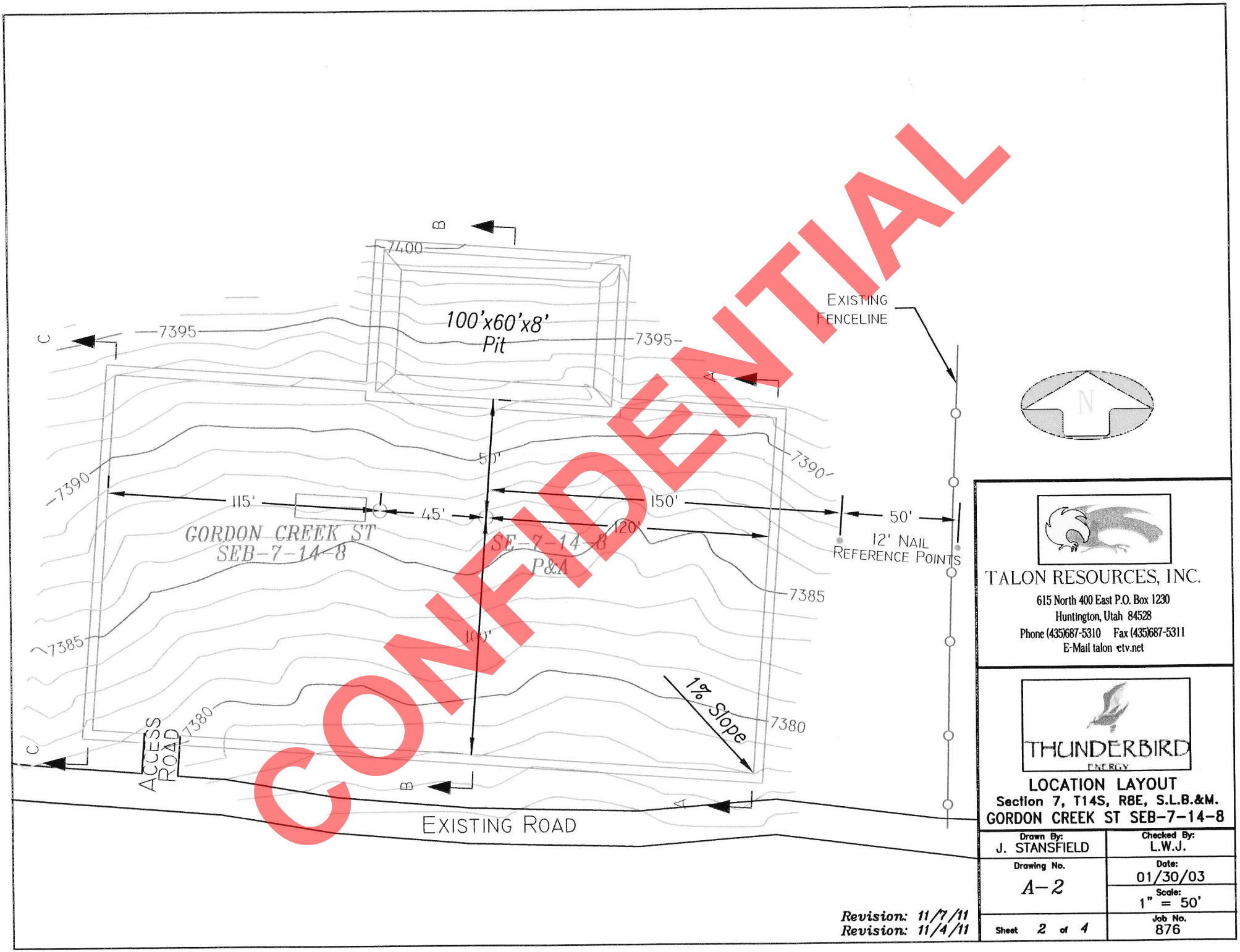
TALON RESOURCES, INC.
615 North 400 East P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talonectv.net

THUNDERBIRD ENERGY

GORDON CREEK ST SEB-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 4	Job No. 4887

API Well Number: 43007502550000



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

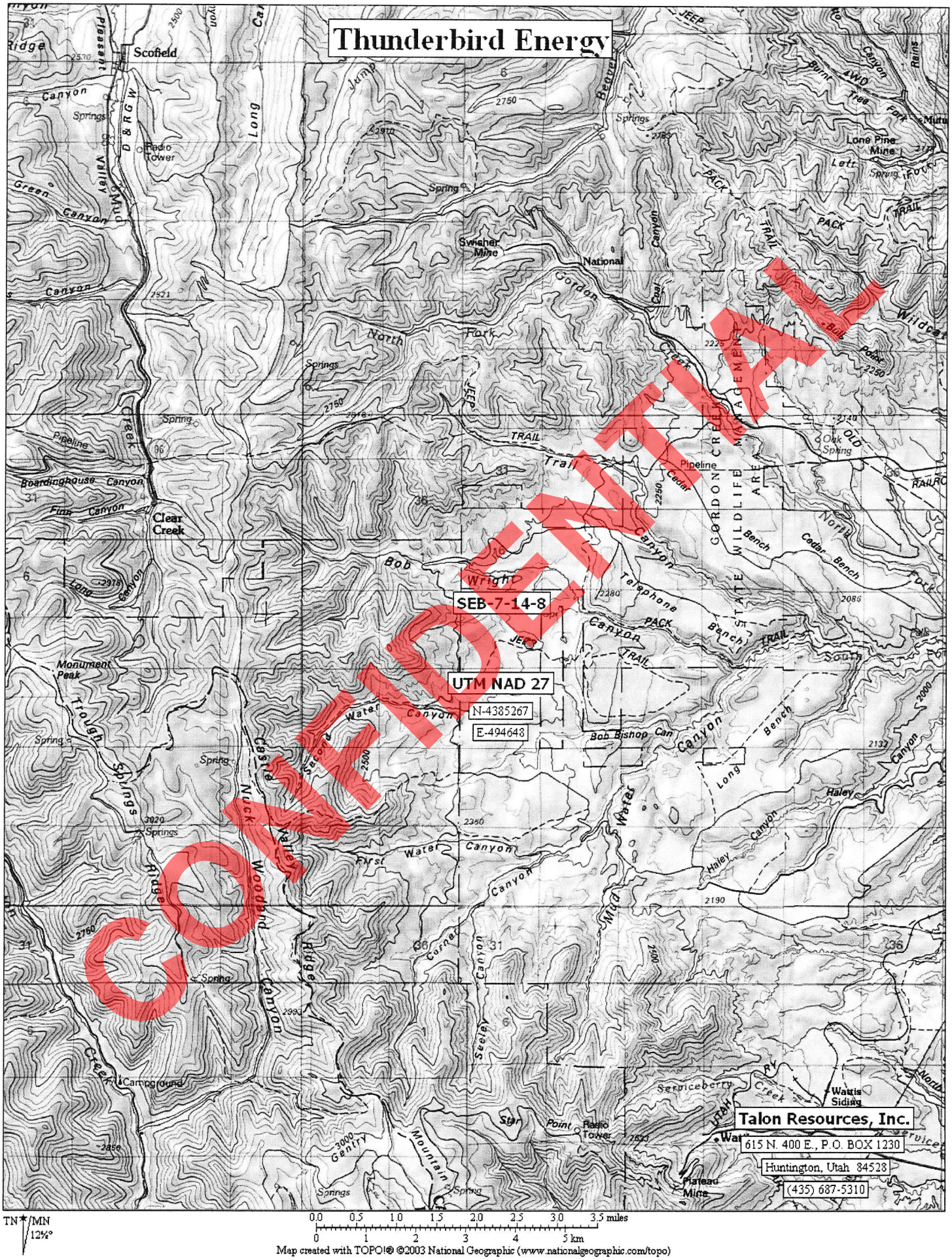
THUNDERBIRD ENERGY

LOCATION LAYOUT
Section 7, T14S, R8E, S.L.B.&M.
GORDON CREEK ST SEB-7-14-8

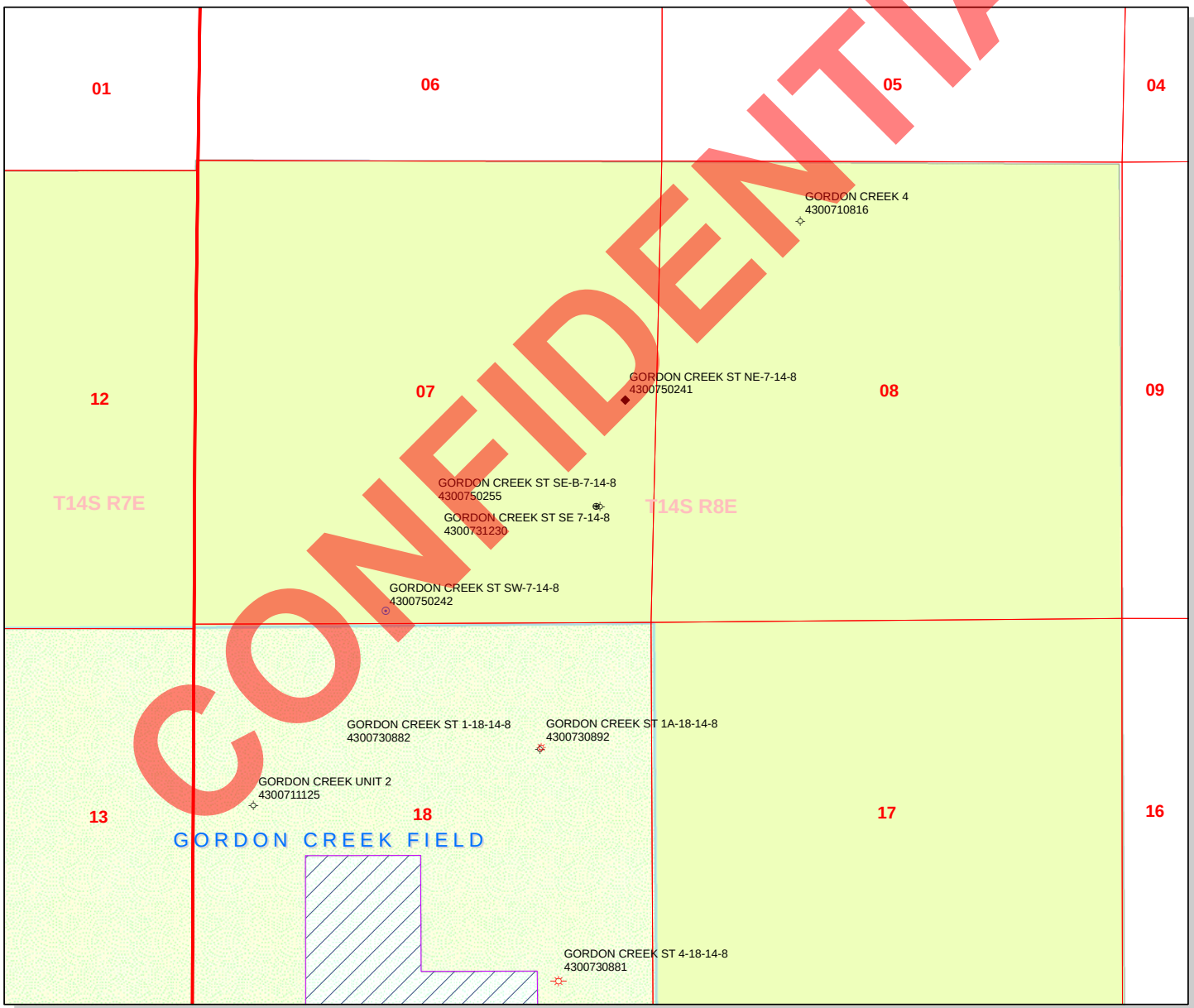
Drawn By: J. STANSFIELD	Checked By: L.W.J.
Drawing No. A-2	Date: 01/30/03
	Scale: 1" = 50'
Sheet 2 of 4	Job No. 876

Revision: 11/7/11
Revision: 11/4/11

API Well Number: 43007502550000



API Well Number: 43007502550000



API Number: 4300750255

Well Name: GORDON CREEK ST SE-B-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

1:14,210

RECEIVED: November 18, 2011

API Well Number: 43007502550000

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-46537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

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

2. NAME OF OPERATOR: GORDON CREEK, LLC.

9. API NUMBER: 4300731230

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

PHONE NUMBER: (435) 820-1489

10 FIELD AND POOL, OR WILDCAT: UNDESIGNATED

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1424.07' FSL 502.24 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: 1424.07' FSL 502.24 FEL

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

12. COUNTY: CARBON

13. STATE: UTAH

14. DATE SPUDDED: 10/25/2011

15. DATE T.D. REACHED: 11/3/2011

16. DATE COMPLETED: 11/3/2011 ABANDONED ☑ READY TO PRODUCE ☐

17. ELEVATIONS (DF, RKB, RT, GL): 7375.1' RKB

18. TOTAL DEPTH: MD 1,195 TVD 1,195

19. PLUG BACK T.D.: MD 0 TVD 0

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)
NONE

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
	20" LP	LINE PIPE	0	45		G		0	
11"	8 5/8" J-55	24	0	467		G 300	61	~~UNKNOWN~~ SURFACE	
7 7/8	N/A								

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
NONE								

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) NONE				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
NONE	

29. ENCLOSED ATTACHMENTS:

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

30. WELL STATUS: P&A

(5/2000) **(CONTINUED ON BACK)**

RECEIVED
NOV 16 2011
DIV. OF OIL, GAS & MINING

CONFIDENTIAL

API Well Number: 43007502550000

BOPE REVIEW GORDON CREEK, LLC RDON CREEK ST SE-B-7-14-8 43007502550000

Well Name	GORDON CREEK, LLC GORDON CREEK ST SE-B-7-14-8 43			
String	Surf	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	800	3807		
Previous Shoe Setting Depth (TVD)	0	800		
Max Mud Weight (ppg)	8.7	10.0		
BOPE Proposed (psi)	500	2000		
Casing Internal Yield (psi)	2950	7740		
Operators Max Anticipated Pressure (psi)	1700	8.6		

Calculations	Surf String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	362		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	266	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	186	YES	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	186	NO	
Required Casing/BOPE Test Pressure=		800	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=	1980		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1523	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1142	YES	
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1318	NO	
Required Casing/BOPE Test Pressure=		2000	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		800	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	

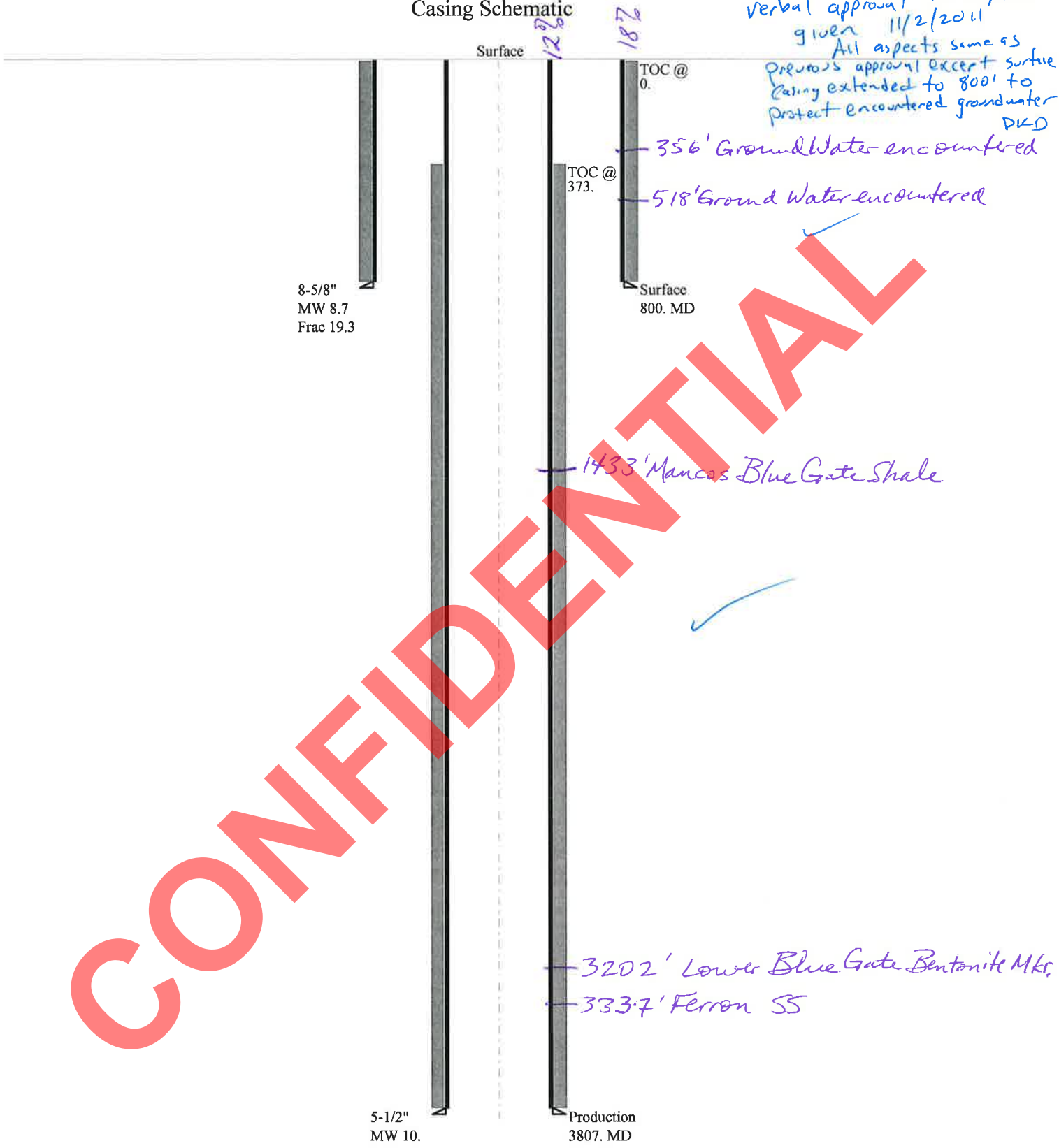
RECEIVED: November 21, 2011

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

RECEIVED: November 21, 2011

43007502550000 GORDON CREEK ST SE-B-7-14-8

Casing Schematic



verbal approval for Rigskid given 11/2/2011
All aspects same as previous approval except surface casing extended to 800' to protect encountered groundwater
DKD

Well name:	**43007502550000 GORDON CREEK ST SE-B-7-14-8**
Operator:	**GORDON CREEK, LLC**
String type:	Surface
Project ID:	43-007-50255
Location:	CARBON COUNTY

Design parameters:

Collapse
Mud weight: 8.700 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 704 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 800 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: 695 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 85 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 3,807 ft
Next mud weight: 10.000 ppg
Next setting BHP: 1,978 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 800 ft
Injection pressure: 800 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	800	8.625	24.00	J-55	ST&C	800	800	7.972	4118

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	362	1370	3.790	800	2950	3.69	19.2	244	12.71 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 21,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 800 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:	**43007502550000 GORDON CREEK ST SE-B-7-14-8**
Operator:	**GORDON CREEK, LLC**
String type:	Production
Project ID:	43-007-50255
Location:	CARBON COUNTY

Design parameters:

Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,140 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 1,978 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: 3,230 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 127 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 373 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	3807	5.5	17.00	N-80	LT&C	3807	3807	4.767	21458

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	1978	6290	3.181	1978	7740	3.91	64.7	348	5.38 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: November 21,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3807 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.

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/8/2011
API NO. ASSIGNED: 43007502550000
WELL NAME: GORDON CREEK ST SE-B-7-14-8
OPERATOR: GORDON CREEK, LLC (N3245)
PHONE NUMBER: 403 453-1608
CONTACT: Barry Brumwell

PROPOSED LOCATION: NESE 07 140S 080E
Permit Tech Review: ☑

SURFACE: 1353 FSL 0631 FEL
Engineering Review: ☑

BOTTOM: 1353 FSL 0631 FEL
Geology Review: ☑

COUNTY: CARBON
LATITUDE: 39.61897
LONGITUDE: -111.06335
UTM SURF EASTINGS: 494563.00
NORTHINGS: 4385470.00
FIELD NAME: UNDESIGNATED
LEASE TYPE: 3 - State
LEASE NUMBER: 46537
PROPOSED PRODUCING FORMATION(S): FERRON COAL
SURFACE OWNER: 3 - State
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - RLB0010790
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Drilled Well (WATER RIGHTS #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
RIGSKID FR 4300731230:

Stipulations: 22 - Rigskid - bhill

RECEIVED: November 21, 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 SE-B-7-14-8
API Well Number: 43007502550000
Lease Number: 46537
Surface Owner: STATE
Approval Date: 11/21/2011

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 COAL 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:
All conditions of approval in the Statement of Basis and RDCC comments from the Gordon Creek ST SE-7-14-8 permit apply to the Gordon Creek ST SE-B-7-14-8.

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 6

ENTITY ACTION FORM

Operator: GORDON CREEK, LLC.
Operator Account Number: N 3245
Address: 1179 E. MAIN, #345
city PRICE
state UT zip 84501
Phone Number: (435) 820-1489

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300750255	GORDON CREEK ST SE-B-7-14-8		NESE	7	14	8	CARBON
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
A	99999	18334	11/5/2011			12/16/11	

Comments: THIS FORM IS BEING SUBMITTED LATE BECAUSE THE API # FOR THIS REDRILL (SKID) OF A P&A WELL WASN'T ASSIGNED UNTIL WELL AFTER THIS WELL HAD BEEN SPUDDED.
FRNCL

CONFIDENTIAL

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
4/29/2011
Date

(5/2000)

RECEIVED
NOV 30 2011
DIV. OF OIL, GAS & MINING

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

FORM 9

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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
☑ SUBSEQUENT REPORT Date of Work Completion: 11/15/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ 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: New Surface Lease Acquired

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

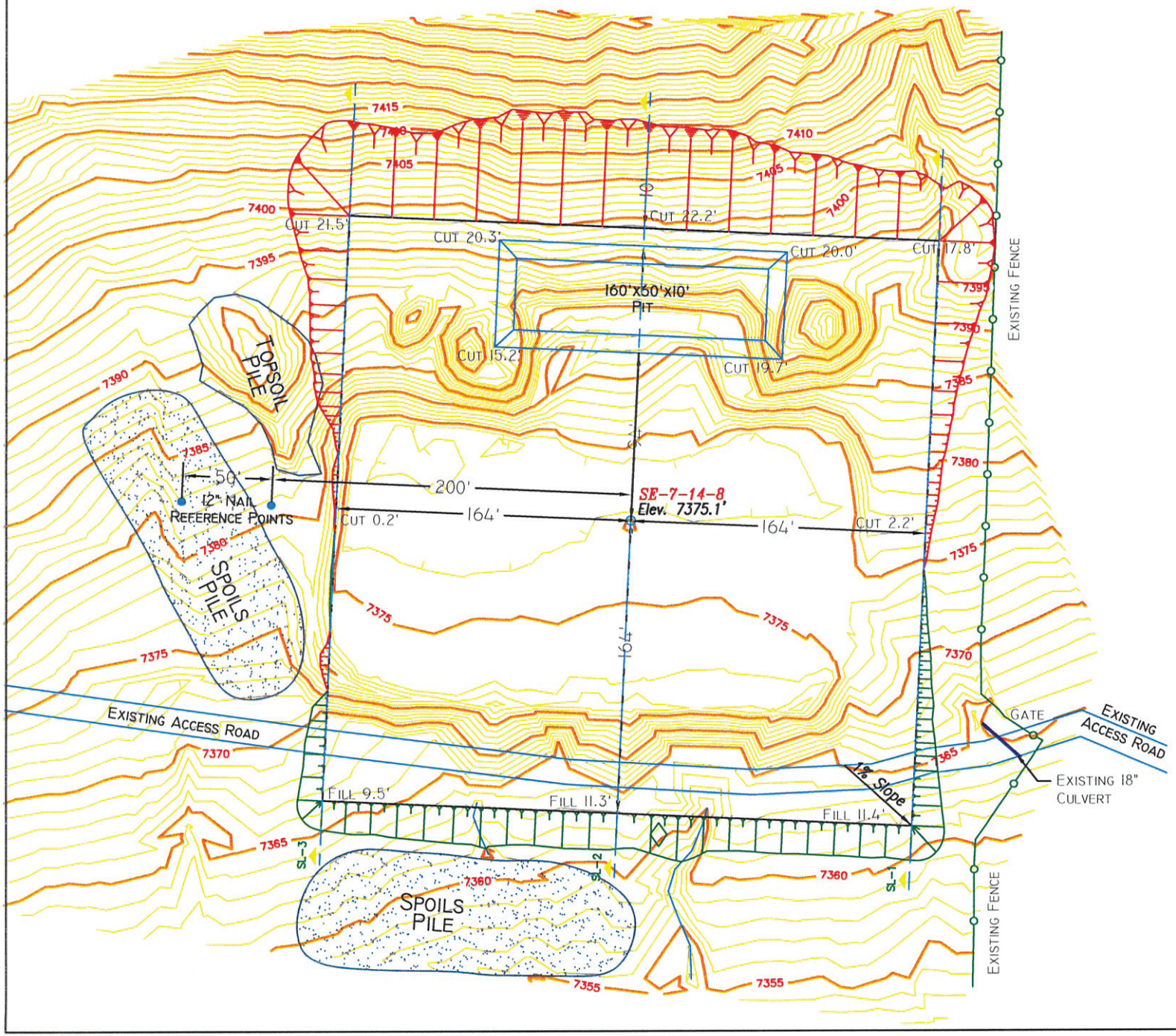
The surface lease acquisition process for this wellsite that was in negotiation with the State of Utah Division of Wildlife Resources and completed on 11/15/2011 is for an expanded surface lease to the originally constructed lease, as per the attached Survey Plat. This larger surface lease that is now in full force and effect with DWR includes all areas that have been disturbed during the construction and upgrading of the wellsite prior to drilling operations commencing, and which were of concern in the Notice Of Violation received on 1/20/2012 from a wellsite inspection performed on 10/04/2011. Gordon Creek, LLC. hereby requests that this API be ammended to show the attached Survey Plat as being the offical plat for the wellsite and all wells licenced on the wellsite.

REQUEST DENIED
Utah Division of Oil, Gas and Mining
Date: February 09, 2012
By:

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

SIGNATURE	DATE
N/A	1/31/2012

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 7375.1'



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

THUNDERBIRD ENERGY

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

Drawn By: N. BUTKOVICH	Checked By: A.P.C.
Drawing No. A-2	Date: 9/16/11
	Scale: 1" = 80'
Sheet 2 of 4	Job No. 4887

Sundry Number: 22629 API Well Number: 43007502550000

CONFIDENTIAL

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
DIV. OF OIL, GAS & MINING

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

API number: 4300750255

Well Location: QQ NESE 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)
318	352	100	FRESH
525	530	200	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 [signature] DATE 1/5/2012

(5/2000)

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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: drill out part of shoe joint, lo

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

AS SOON AS THE FOREST FIRES HAVE SUBSIDED AND WE ARE ALLOWED INTO LOOCATION, THE OBJECTIVE OF THIS PHASE OF OPERATIONS IS TO MOVE A WORKOVER RIG ONTO LOCATION, INSTALL BOP's AND RIH WITH A 4 3/4" BIT AND CASING SCRAPER TO THE 5 1/2" PRODUCTION CASING FLOAT COLLAR AT +/- 3,835' KB, THEN DRILL OUT THE SHOE JOINT TO +/- 3,872' KB (leaving +/- 5 feet of shoe joint un-drilled). THE 5 1/2" CASING WOULD THEN BE PRESSURE TESTED TO 3,000 psi PRIOR TO POOH WITH THE BIT. WE WOULD THEN RUN A CASED HOLE NEUTRON LOG TO EVALUATE THE FERRON ZONE THAT WAS MISSED WHEN OPEN HOLE LOGS WERE RUN, AS WELL AS RUN A CASED HOLE GR-CBL-CCL LOG. OPERATIONS WOULD THEN BE SUSPENDED TO ALLOW HEAD OFFICE TIME TO EVALUATE THE LOGS FOR FERRON PERF INTERVALS. FURTHER PERFORATING AND STIMULATION OPERATIONS 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

COMPLETION PROGRAM

GORDON CREEK STATE
SE B-7-14-8 (API #43-007-50255)

OPERATOR: GORDON CREEK, LLC

A subsidiary of Thunderbird Energy Inc.

Prepared by: _____

Barry Brumwell, C.E.T.
Vice President, Operations
Thunderbird Energy Inc.
June 21st, 2012

Approved by: _____

Rick J. Ironside, P.Eng., MBA
President
Thunderbird Energy Inc.

Date: _____

RECEIVED: Jun. 29, 2012

AFE #:	11CMP014 **AFE AMOUNT:** $XXXXXX
OPERATOR:	GORDON CREEK, LLC.
WELL NAME:	GORDON CREEK STATE SE-B-7-14-8
SURFACE LOCATION:	SE-7-14-8
FIELD / COUNTY / STATE:	GORDON CREEK / Carbon County / Utah
SURFACE COORDINATES:	631.01' WEST and 1,353.33' NORTH from the SOUTHEAST CORNER of Section 7, T 14S, R 8E, S.L.B. & M.
DIRECTIONS:	Contact Steve Lessar, the Gordon Creek, LLC Area Operator for directions to location. **NOTE: THIS IS AN ECOLOGICALLY SENSITIVE AREA. DO NOT DRIVE, PARK OR WALK OFF ANY LEASE ROAD OR LOCATION FOR ANY REASON. DO NOT LITTER.**
API #:	**43-007-50255**
STATE LEASE #:	**ML-46537**
GROUND ELEVATION:	7,351.1'
K.B. ELEVATION:	7,364.1' (KB – GROUND = 13.0')
WELL SPUD:	17:30 11/05/2011
TOTAL DEPTHS:	14 ¾" Hole: 50' 11" Hole: 804' 7 $^{7}/_{8}$" Hole: 3,880'
DRILLING RIG RELEASE:	24:00 11/16/2011
CURRENT P.B.T.D:	3,835' KB TOP OF FLOAT COLLAR

CONDUCTOR PIPE INFORMATION:
12 ¾" conductor pipe was run to 50' and cemented full length.

RECEIVED: Jun. 29, 2012

SURFACE CASING INFORMATION:
Ran a total of 16 joints of 8 $^{5}/_{8}$", 36 #/ft, J-55, ST&C casing landed at 711' KB. Cemented with 330 sks cement mixed at 15.8 ppg + ¼ #/gal cellfoflake + 2% $CaCl_2$, pumped at 3.5 bpm. Bumped plug at 640 psi, float held, no returns. RIH down backside with 60 feet of 1" pipe and pump 70 sks of cement at 15.8# + ¼ #/gal cellfoflake + 2% $CaCl_2$, no returns, wait on cement. Then pump an additional 60 sks of cement at 15.8 ppg + ¼ #/gal cellfoflake + 3% $CaCl_2$, got returns to surface. Total cement pumped 460 sks.

PRODUCTION CASING INFORMATION:
Ran a total of 91 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 3,877' KB. ***MARKER JOINTS PLACED AT 3,538' & 3,361' KB.*** Cemented with: Preflush - 20 bbls of water followed by 10 bbls of React Flush, followed by 346 sks of 35/55 POZ cement + 0.2% Airout + 40% Superball + 2% $CaCl_2$ + 2.5% Super FL 200. Bumped plug, floats held, no cement returns to surface.

BOTTOMHOLE PRESSURES: **N/A - THIS ENTIRE PHASE OF OPERATIONS WILL BE IN CASED HOLE**

MAXIMUM H_2S EXPECTED: ***NONE***

TUBULAR DATA

OD (in)	Weight (#/ft)	Grade	Thread Type	ID (in)	Drift (in)	Tensile (# force)	Burst (psi)	Collapse (psi)	Capacity (bbl/ft)	Displacement (bbl/ft)	Annular Volume (bbl/ft)
SURFACE CASING											
8.625	36	J-55	ST&C	7.825	7.700	434,000	4,460	3,450	0.05947	0.012788	0.04528
PRODUCTION CASING											
5.500	17	N-80	LT&C	4.892	4.767	348,000	7,740	6,280	0.02324	0.006140	0.03086
PRODUCTION TUBING											
2.375	4.7	J-55	EUE	1.995	1.901	**71,730**	7,700	8,100	0.003870	0.001614	0.01776
WORK STRING											
2.875	6.5	J-55	EUE	2.441	2.347	99,660	7,260	7,680	0.005794	0.001614	0.01521

OPERATIONS OBJECTIVE:

THE OBJECTIVE OF THIS PHASE OF THE PROGRAM IS TO RUN CASED HOLE EVALUATION LOGS IN PREPARATION FOR COMPLETING THE WELL AS A FERRON GAS WELL.

RECEIVED: Jun. 29, 2012

SAFETY

Safety meetings are to be held with all service company personnel prior to each wellsite operation commencing and at the change of any operation. The Wellsite Supervisor must notify all contracted on-site personnel of all known hazards of which those contracted personnel may be unaware. The Wellsite Supervisor must ensure that all on-site personnel are aware of their responsibilities and duties under ALL applicable State, Federal and Industry regulations and that those personnel comply with those regulations. Workers can refuse any task they have been requested to perform without repercussion IF that worker deems the task to be unsafe OR if the worker is uncertain of their duties or responsibilities. At all safety meetings, all Service Companies supplying materials utilized in on-site operations will review all applicable Material Safety Data Sheets for all products supplied and maintain these Material Data Sheets available for any on-site worker's examination on location, in compliance with regulations. All safety meetings will be recorded on the Gordon Creek, LLC. daily report and on the Contractor's Tour Report. Detailed notes of these safety meetings and/or or operational requirements are to be left on location for any replacement crew or Wellsite Supervisor. These notes are to include a detailed description of what has taken place, any difficulties that have been experienced and the planned course of action. These notes should also include an inventory of all fluids on location and a new list of all services being used.

ENSURE THAT ALL PERSONNEL WORKING ON SITE HAVE CURRENT AND PROPER TRAINING AND CERTIFICATION FOR THE PLANNED OPERATIONS.

Ensure that ALL contracted personnel conform to regulatory requirements for fluid management, spill containment and solids handling, and they remain within the lease and lease road agreement property lines at all times.

REGULATIONS:

All applicable regulations, including, but not limited to State, Federal, Industry and Utah Labour Commission and Occupational Safety & Health regulations are to be strictly adhered to. Written instructions must be posted in the doghouse or other conspicuous area prior to the Wellsite Supervisor leaving location. All verbal notifications and approvals from government regulatory agencies must be recorded on the Gordon Creek, LLC. daily report. Additionally, the name of the individual contacted and the subject matter of the approval or notification should be recorded. All waste fluids (including fresh water) from this well site operation must be disposed of at an approved disposal facility, unless an alternate disposal option has been approved by the Operations Supervisor.

RECEIVED: Jun. 29, 2012

MATERIAL TRANSFERS:

Any Gordon Creek, LLC inventory transferred to or from this location from or to another location or to or from a company or contractor stock point MUST be documented with a Material Transfer Sheet.

INVOICING

THE WELLSITE SUPERVISOR MUST INFORM ALL CONTRACTORS THAT GORDON CREEK, LLC. WILL NOT PAY ANY INVOICE THAT WAS NOT DIRECTLY ORDERED BY AND APPROVED BY THE WELLSITE SUPERVISOR. EVERY INVOICE MUST HAVE AN ACCOMPANYING FIELD TICKET APPROVED BY AND SIGNED BY THE WELLSITE SUPERVISOR. INVOICES RECEIVED AT HEAD OFFICE THAT DON'T HAVE AN ACCOMPANYING SIGNED FIELD TICKET WILL BE SENT BACK TO THE VENDOR UNPAID.

GORDON CREEK, LLC. PERSONNEL CONTACT INFORMATION

NAME	TITLE	OFFICE	CELL	EMAIL
Barry Brumwell	VP Operations	(403) 453-1608, 224 (403) 453-1609 (fax)	(403) 818-0696	bbrumwell@thunderbirdenergy.com
Rick Ironside	President	(403) 453-1608, 228 (403) 453-1609 (fax)	(403) 540-7533	rironside@thunderbirdenergy.com
Rupert Evans	VP Geosciences	(403) 453-1608, 222 (403) 453-1609 (fax)	(403) 923-1847	revans@thunderbirdenergy.com
Bo Stinson	Consultant	(435) 637-8570 (435) 637-8573	(435) 630-6344	stinsonwellservices@etv.net
Steve Lessar	Area Foreman	(435) 637-8105 (hm)	(435) 820-1489	sjlessar@emerytelcom.net

SERVICE COMPANY CONTACT INFORMATION				
SERVICE	VENDOR	CONTACT	LOCATION	PHONE

OPERATIONS PROGRAM:

1. ***SUBMIT AN ELECTRONIC WELL OPERATIONS NOTIFICATION TO THE STATE of UTAH DEPARTMENT OF NATURAL RESOURCES, DIVISION of OIL, GAS & MINING (DOGM) AS REQUIRED, A MINIMUM OF 24 HOURS PRIOR TO OPERATIONS COMMENCING.***

   ALSO CONTACT MARK JONES of DOGM AT (435) 613-3735 (work) or (435) 820-8504 (cell) WITH A VERBAL NOTIFICATION A MINIMUM OF 24 HOURS PRIOR TO OPERATIONS COMMENCING

2. If required, notify the surface landowner prior to moving onto location.

3. ***THE LEASE AND ACCESS ROAD ARE SURROUNDED BY ECOLOGICALLY SENSITIVE NATIVE LAND. DO NOT*** drive, walk or move any equipment off of the contracted lease or lease access.

4. Post all current Emergency Contact numbers (Police, Local Hospital, Ambulance, etc) in the dog house or other conspicuous place on location.

5. Ensure that the lease is adequately prepared to accommodate the support equipment required to work over the well prior to moving onto location.

6. Contact the Gordon Creek, LLC. Area Foreman for any “normal” fluid requirements. Secure transfer equipment and wellsite storage equipment (if required). Ensure enough fresh water (to drill required to drill out) is on site well in advance of job commencement.

7. Drive the route from the nearest urban center prior to operations commencing to ensure the correct driven distances and directions, and ensure access is adequate. ***ENSURE THAT ALL CONTRACTED PERSONNEL REMAIN WITHIN THE LEASE AGREEMENT PROPERTY LINES.***

8. As discussed in the Safety section above, conduct a pre-operation safety meeting with all contractors’ personnel prior to commencing any operation, including the rig moving operation.

9. Check for flow from the surface casing vent assembly. Ensure that the vent assembly is left in the ***open*** position. Also check for any hydrocarbons venting from/in the surrounding surface soils. Note the results of these checks in the Day 1 report.

10. Install and pull test rig anchors as required to Industry and Regulatory specifications.

11. Move in and rig up a Workover Rig in accordance with all applicable regulations, including, but not limited to State, Federal, Industry and Occupational Health & Safety regulations. Included with the rig shall be a 2,000 psi high capacity rig pump and fluid system rated to 2,000 psi working pressure.

    Once the rig and all associated equipment are rigged up, perform a complete rig and equipment inspection. Notify ALL contracted services that operations billing will NOT commence until all rig equipment is FULLY operational.

12. Ensure that the well is dead. Remove the top section of the wellhead and install the rig BOP's. Pressure test the BOP's to 200 psi low pressure and 3,000 psi high pressure for 10 minutes each.

    NOTE: THE RIG BOP's ARE TO BE STUMP TESTED PRIOR TO INSTALLATION

    ALL tests must be witnessed by operator's representative and by the contractor. Document all pressure test results on the daily report.

13. Tally, drift, pick up, make up and run into the well with a rental 2 $^{7}/_{8}$" 6.5 #/ft, J-55, EUE tubing work string as follows (from the bottom-up):

    1 - 4 ¾" tricone medium mill tooth bit.
    1 - 2 $^{7}/_{8}$", 6.5 #/ft, J-55, EUE X 3' tubing pup joint
    1 - 4 blade casing scraper dressed for 5 ½", 17 lb/ft casing
    1 - 2 $^{7}/_{8}$", 6.5 #/ft, J-55, EUE tubing to surface.

14. RIH, working the casing scraper across any tight spots while RIH. Tag the cement on top of the 5 ½" production casing float collar (the top of the collar is at 3835' KB). Note the depth tagged in the Daily Report. Double reciprocate from +/- 3,650' KB to PBTD.

15. Rig in power swivel and pack-off head and while circulating with fresh water, drill down to +/- 3872 KB (leave 5 feet of cement inside the shoe joint).

    NOTE: THE DO NOT DRILL MORE THAN 37 FEET FROM WHERE THE FLOAT COLLAR WAS TAGGED. FOR CERTAIN, <u>DO NOT</u> DRILL THROUGH THE CASING SHOE.

16. Fill the well with fresh water and circulate until there is NO evidence of drilled cement in the returns. Then continue to circulate for an additional 2 bottoms-up.
17. Close the pipe rams. Rig to and pressure test the 5 ½" casing to 3,000 psig for 10 minutes (this equates to 4,710 psig at casing Total Depth using a pressure gradient for fresh water).

18. POOH and lay down the tubing on the way out. Break out the bit and scraper.

19. Rig out the BOP's and make up the wellhead.

20. Move on and rig up Pioneer Wireline Services electric wireline unit complete with lubricator and packoff. Pressure test the wellhead – lubricator connection to 1,000 psi.

21. MU and RIH with a Pulsed Neutron logging tool and log a minimum run from PBTD (correlate depth to the attached Pioneer Wireline Services Compensated Density/Compensated Neutron/Gamma Ray log run on November 15, 2011). POOH.

22. Remove the Pioneer wireline lubricator and packoff from the BOPs. Ensure that the hole is full of fresh water and there is no pressure on the well. Rig out and release the Pioneer Wireline unit.

23. Move on and rig up Rocky Mountain Wireline Services electric wireline unit complete with lubricator and packoff. Pressure test the wellhead – lubricator connection to 1,000 psi.

24. MU and RIH and pull a GR-CCL-CBL log from PBTD to inside the surface casing (correlate depth to the attached Pioneer Wireline Services Compensated Density/Compensated Neutron/Gamma Ray log run on November 15, 2011). Confirm the depth of the cement top and note that depth in the Daily Report. POOH.

25. Move On Multi-Shot Services Inc. and MU the Multi-Shot Gyro Survey Tool onto the Rocky Mountain Wireline Services wireline. RIH to PBTD. Pull a Gyro Survey log from PBTD to Surface (correlate depth to the attached Pioneer Wireline Services Compensated Density/Compensated Neutron/Gamma Ray log run on November 15, 2011). POOH.

26. Rig out and release all wireline and gyro related equipment and services.

27. **ENSURE THAT COPIES OF ALL LOGS RAN ARE SENT ASAP ELECTRONICALLY TO bbrumwell@thunderbirdenergy.com, rironside@thunderbirdenergy.com & revans@thunderbirdenergy.com. ALSO ENSURE THAT 4 COPIES OF EACH LOG RAN ARE PRINTED OUT BY EACH WIRELINE CONTRACTOR AND THAT THOSE COPIES ARE IMMEDIATLEY FORWARDED TO THE CALGARY HEAD OFFICE.**

28. Rig to and swab the fluid level in the wellbore down to +/- 3,500' KB.

29. AT THIS POINT, OPERATIONS ON THIS WELL WILL BE TEMPORARILY SUSPENDED TO ALLOW CALGARY HEAD OFFICE TO DETERMINE THE CORRECT PERFORATION INTERVALS, WR PLUG SETTING DEPTHS, FRAC SIZES AND DESIGNS. PHASE 2 OF WELL COMPLETIONS OPERATIONS WILL BE PERFORMED UNDER THE COVER OF A SEPARATE PROGRAM AND AFE.

30. RO and release any equipment still on location.

RECEIVED: Jun. 29, 2012

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

FORM 9

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

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 SE-B-7-14-8

2. NAME OF OPERATOR: GORDON CREEK, LLC

9. API NUMBER: 43007502550000

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: 1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE 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: 7/25/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ 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, flow test and pres

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

A Cement Bond Log has been run in this well and there is good bond across the planned intervals. We plan to peforate the Lower Ferron Formation from 3,792' - 3,804' then flow test the well, then perforate from the Middle Ferron Formation from 3,724' - 3,735.5' and further flow test the well, then perforate the Upper Ferron Formation from 3,656' - 3,662' and further flow test the well. The well will be shut in and pressure build ups recorded as required. IF REQUIRED, stimulation of the intervals and/or further perforating will be determined after the flow testing has been completed.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 25, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations
SIGNATURE N/A		**DATE** 7/23/2012

RECEIVED: Jul. 23, 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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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: 8/10/2012	☐ 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:

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

We will add the following intervals to the well currently perforated in the Ferron formation: 3,824' - 3,832' (sand), 3,778' - 3,781' (coal), 3,753' - 3,755' coal), 3,729' - 3,730' (sand), 3,666' - 3,670' (sand). We will leave the well shut in to observe build up. If pressures build up and show inflow, we will open the well up to flare and record flowing pressures on different sized chokes to calculate flow rates. Should the well require further stimulation, we will pump a 60 ton frac down the 5 1/2" casing at a rate high enough to stimulate all of the open perforations, with RA tracer being run during the frac to determine overall sand placement. Post frac, we will open up additional perfs from 3,724' - 3,736', which is in a highly porous sand section of the Ferron that shouldn't require stimulation. The DOGM area Field representaive will be notified at each step of these operations.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 20, 2012

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations
SIGNATURE		**DATE**
N/A		8/10/2012

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

FORM 9

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 11/16/2011	☐ 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.

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

EXECUTIVE SUMMARY REPORT

WELL:	GORDON CREEK ST SE-B-7-14-8	***API #:***	43000750255
COUNTY:	CARBON COUNTY, UTAH	***SPUD:***	17:30 HRS, 11/05/2011
OBJECTIVE:	To drill & complete a Ferron Gas well	***R.R.:***	24:00 HRS, 11/16/2011
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	38	0.5	0.5
Air Hammer	11	38	640	8.75	9.25
Tricone	11	640	804	4.5	13.75
Tricone	7 7/8	804	1066	8.5	22.25
PDC	7 7/8	1062	3880	46	68.25

CONDUCTOR CASING:

HOLE SIZE: 14 3/4" ***CONDUCTOR SET FROM:*** 0' to 38'

The 12 ¾" conductor pipe was run to 38' and cemented full length.

SURFACE CASING:

HOLE SIZE: 11" ***SURFACE CASING FROM:*** 0' to 711'

Ran a total of 16 joints of 8 5/8", 36 #/ft, J-55, ST&C casing landed at 711' KB. Cemented with 330 sks cement mixed at 15.8 ppg + ¼ #/gal cellfoflake + 2% CaCl2, pumped at 3.5 bpm. Bumped plug at 640 psi, float held, no returns. RIH down backside with 60 feet of 1" pipe and pump 70 sks of cement at 15.8# + ¼ #/gal cellfoflake + 2% CaCl2, no returns, wait on cement. Then pump an additional 60 sks of cement at 15.8 ppg + ¼ #/gal cellfoflake + 3% CaCl2, got returns to surface. Total cement pumped 460 sks.

PRODUCTION CASING:

HOLE SIZE: 7 7/8" ***SURFACE CASING FROM:*** 0' to 3,880'

Ran a total of 91 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 3,877' KB. MARKER JOINTS PLACED AT 3,538' & 3,361' KB. Cemented with: Preflush - 20 bbls of water followed by 10 bbls of React Flush, followed by 346 sks of 35/55 POZ cement + 0.2% Airout + 40% Superball + 2% CaCl2 + 2.5% Super FL 200. Bumped plug, floats held, no cement returns to surface.

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

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-5-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 05-Nov-11 Depth 0 Metres last 24 hr 0 Rotating hrs 0

Activity at report time Final Rep Wait on Daylite

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt ____ Vis ____ WL ____ Gels ____ Solids ____ % PV ____ YP ____ pH ____

Oil ____ % Sand ____ % Cake ____ PPMCL ____ PPMCa ____

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm					250psi
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

MUD & CHEMICALS ADDED

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
				0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling		
2. Trips		
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair		
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: cement		
15. Nipple Up & Test BOPS		
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out	10.50	
21. Safety meeting		
TOTAL	10.50	0.00

REMARKS

Rig down and move rig and rig up W/ Nielson Construction.
3 haul trucks and 1 bed truck.(5.5hr) Wait on daylite(5hr)

COSTS

DAILY

CUMMULATIVE

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-7-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 07-Nov-11 Depth 635 Metres last 24 hr 595 Rotating hrs 0

Activity at report time DRLG AHEAD @688FT

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm					250psi
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

.5	°	at 131	m	3/4	°	at 635	m
.5	°	at 224	m		°	at	m
2	°	at 350	m		°	at	m
1	°	at 445	m		°	at	m

MUD & CHEMICALS ADDED

40 SKS GEL 16 SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
14 3/4 BIT		14 3/4	1.5	
x/O SUB	2.5	8	1.00	
BIT SUB	2.5	6.50	3.10	
2 DRILL COLLARS	2.375	6.50	61.23	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	9.75	
2. Trips	5.50	
3. Rig Service		
4. Deviation Surveys	1.25	
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair	1.25	
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: bit	0.75	
15. Nipple Up & Test BOPS	5.50	
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rig up blooie line (4hr) Head up wellhead and make up bha and trip in hole (3hr) Air/dust drlg from 38ft to 131ft.(2hr) survey at 131ft (1/4h air dust drill F/131ft to 224ft.(1.25hr) survey at 224ft(1/4hr) Air/mist drill F/224-350ft(.5hr) Survey at 350(1/4hr) Tagged water zone at 320ft.Air/mist drill F/350ft to 445ft(.75hr)surveyat 445(.25) drlg F/445 to 635ft(3hr) survey ar 635(.25)Drlg f 635to 640(.75)Tooh to change bit Wait on bit(.75) Make up bit and TIH(2.25hr) Repair liner washer pump(1.25hr) Air/mist drill F/640to 688ft (.5hr)

COSTS

DAILY $15,075

CUMMULATIVE $30,150

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-8-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 08-Nov-11 Depth 804 Metres last 24 hr 116 Rotating hrs 4

Activity at report time DRLG AHEAD @688FT

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm				250psi	
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m

MUD & CHEMICALS ADDED

40SKS GEL 150SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
11 BIT		14 3/4	1.5	
x/O SUB	2.5	8	1.00	
BIT SUB	2.5	6.50	3.10	
2 DRILL COLLARS	2.375	6.50	61.23	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	4.00	
2. Trips	2.00	
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud	13.00	
7. Circulation		
8. Rig Repair	1.50	
9. Run Casing & Cement	3.50	
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: bit		
15. Nipple Up & Test BOPS		
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rotary drill from 688ft to 804ft(4hr) Establish Circulation by mixing lcm pills 25% and finally getting returns by airating mud and slowly shutting air off and getting water to circulate with lcm(9hr) Tooh to run 8 5/8 casing.(2hr) Pickup and run 16 jts of 8 5/8 j55 STC 24# casing. (3.5hr) Stop 2 jts early due to tight hole and no circulating swedge. (1.5hr) Mix lcm and establish circulation of casing. Airaite mud and slowly cut back air to zero to get circulation mixing lcm.

COSTS

DAILY $15,075

CUMMULATIVE $45,225

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-9-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 09-Nov-11 Depth 804 Metres last 24 hr Rotating hrs 0

Activity at report time Nipple up bope

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm					250psi
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

MUD & CHEMICALS ADDED

40SKS GEL 150SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
				0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling		
2. Trips		
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair		
9. Run Casing & Cement	5.25	
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: cement welder	10.25	
15. Nipple Up & Test BOPS	3.00	
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. weld on wellhead	5.50	
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rig up and cement (3hr) WOC(1hr) cement backside (1hr)
Wait on more cement to arrive(4.45hr) Cement back side with 1"
(.25) wait on welder(5 1/2hr) cut conductor and casing and weld on
wellhead (5.5hr) nipple up bops(3hrs)

cement job 330 sks pumped normally 130sks pumped down back
side with 1" with 400sks 15.8ppg 2%cacl 1/4# celloflake, last 60sks
were 15.8ppg 3% cacl 1/4 celloflake, got returns to surface.

COSTS

DAILY		$49,125
CUMMULATIVE		$93,350

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-10-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 10-Nov-11 Depth 1066 Metres last 24 hr 262 Rotating hrs 6.25

Activity at report time Drlg Ahead @ 1026ft

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G
4	7 7/8	RMB	7-0095	22	22	22	25	65	1066	266.00	6.25	41.92	3	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				500cfm				250psi	
L&J F500	7	105	6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

2 ° at 841 m ° at m

° at m ° at m

° at m ° at m

° at m ° at m

MUD & CHEMICALS ADDED

10SKS GEL 8 soap sticks

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
bit		7.825	.5	1
bit sub	2.25	6.50	2.75	1
1 x/o	2.25	6.50	.8	
12-6.50 drill collars	2.25	6.50	364.25	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	6.25	
2. Trips	3.50	
3. Rig Service		
4. Deviation Surveys	0.75	
5. Ream & Cond. Hole	0.00	
6. Mix & Cond. Mud		
7. Circulation	2.50	
8. Rig Repair	4.25	
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on:		
15. Nipple Up & Test BOPS	3.50	
16. Drilling Out	3.25	
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. weld on wellhead		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Finished nipple up and test bop 2500high and 250low on kelly cock blind and pipe rams, choke valves, safety valve and choke line valve Make up bha(7 7/8 bit bit sub,xo, and 12-6.50drill collars) and TIH Tagged cement at 640. Un freeze rig mudlines and pump(4.25hr) Drlg cement from 640ft to 725ft and tag float@666ft and shoe @ 711ft. Open hole from 725ft to 804ft Attempted to blow hole dry and making about 100 gals/min. Load hole with water and rotary drill F/804 to 1026. Survey at 841ft is 2*

COSTS

DAILY $50,430

CUMMULATIVE $220,673

SUPERVISOR Michael Reis

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GOEDON ST SEB 7-14-8

LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: 702-575-3581
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3807

REPORTING TO: BARRY BRUMWELL
PHONE #: 623-239-7982
A.F.E. #: 11/ DRL 029
DAILY COST: $14,963
CUM. COST: $124,605
AFE EST (D&A): (D&C):

DAY:	6	REPORT DATE	11-Nov-11	STATUS 06:00			Tripping		MACP:	1098	
DEPTH:	1315	PROG:	249	KB:	7387.00	GL:	7375.10				
SURVEYS:											
MUD TYPE	H2O/Air	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ0905	7.875"	SHEAR	SM616	6X20	16k	90	362	12.75	28.4	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
Imsco 800									

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
Bit Sub	6.25"	2.4"	2.75
XO	6.25"	2.25"	0.80
11 - Drill Collars	6.25"	2.25"	334.05
4", 14 #/ft FH drill pipe to surface			
		TOTAL	338.10

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:	7.50	DST:	
HANDLE TOOLS:		TRIP:	9.50
CIRCULATE:	1.00	WAIT ON:	1.00
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	3.00	CORING	
Rig Out		WOO	
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

0:00	3:30	Drill from 1026' - 1062'
3:30	3:45	Wireline Survey - misrun
3:45	5:45	Trip OOH
5:45	7:00	Trip IH
7:00	8:00	WOO
8:00	11:00	Repair fork lift
11:00	12:45	Trip IH
12:45	13:45	Circulate air/water until returns obtained.
13:45	17:45	Drill from 1062' - 1315'
17:45	18:45	Plugged bit. Drain lines and drop survey
18:45	20:00	Trip OOH
20:00	24:00	Trip OOH. Clean bit and bit sub.

Weather: Snowing

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: Gordon ST SEB-7-14-8

LOCATION: CARBON COUNTY, UTAH

WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER

CELLULAR #: 702-575-3581

SPUD DATE: 1400 Hrs Nov 9 / 11

R.R. DATE:

CONTRACTOR: CBM PARTNERS CBM #1

EST. T.D: 3807'

REPORTING TO: BARRY BRUMWELL

PHONE #: 623-239-7982

A.F.E. #: 11/ DRL 029

DAILY COST: $12,963

CUM. COST: $61,620

AFE EST (D&A): (D&C):

	DAY:	#7	REPORT DATE	12-Nov-11	STATUS 06:00	Pluged drill pipe when tagged bottom						
	DEPTH:	2086'	PROG:	773'	KB:	7387.00	GL:	7375.10		MACP:	1098	
	SURVEYS:	2°	1586'									
	MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:	
	ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"		SM616	6X20	16K	90				

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

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.5'
BIT SUB	6.25"	2.4"	2.75'
XO	6.23"	2.25"	0.8'
12 6.25" DC	6.25"	2.25"	364.25'
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.25	WAIT MOVE	
SURVEY:	2.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	9.50	DST:	
HANDLE TOOLS:		TRIP:	8.25
CIRCULATE:	3.50	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	0.50	CORING	
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

Daily & cumm cost are presently being entered on cost control sheet.
Actual daily cost: $22,907 Actual cumm cost: $137987

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	Gordon ST SEB-7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE: API#	4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	702-575-3581	PHONE #:	623-239-7982
SPUD DATE:	1400 Hrs Nov 9 / 11	A.F.E. #:	11/ DRL 029
R.R. DATE:		DAILY COST:	$14,963
CONTRACTOR:	CBM PARTNERS CBM #1	CUM. COST:	$67,770
EST. T.D:	3807'	AFE EST (D&A):	(D&C):

DAY:	6	REPORT DATE	13-Nov-11	STATUS 06:00	Drilling @ 2483'						
DEPTH:	2199	PROG:	113	KB:	7387.00	GL:	7375.10		MACP:	1098	
SURVEYS:											
MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"	Shear	SM616	6X20	16K	90	113'	5.25	21.5'/Hr	

	PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J	F-100	Triplex	6	7	100	273				
L & J	F-100	Triplex	6	7	100					

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
BIT SUB	6.25"	2.4"	2.75
XO	6.23"	2.25"	0.80
11 6.25" DC	6.25"	2.25"	334.05
4", FH, 14# To surf.	4.0"		
		TOTAL	338.10

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:	5.25	DST:	
HANDLE TOOLS:		TRIP:	18.50
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		CORING	
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	0045	0.75	POOH
0045	0200	1.25	Unplug bit, bitsub, & DC
0200	0700	5.0	MU bit, bitsub, & DC, RIH to bottom. Attempt to circulate. Bit plugged
0700	1130	4.5	POOH
1130	1830	7.0	LD plugged DC. Unplug bit & bit sub. RIH to bottom, breaking circulation every 20 jts.
1830	1845	0.25	Circulate
1845	2400	5.25	Drill from 2086' to 2199' while conducting drill off test to find optimum drilling rate.

NOTE: WHILE CONDUCTING DRILL OFF TESTS IT WAS NOTED THAT WOB HIGHER THAN 8K WOULD STALL THE TOP DRIVE'S ROTARY ABILITY. DURING THE TIME INTERVAL 11:30 pm TO 24:00 HRS THE BEST ROP WAS WITH BIT WEIGHTS 5k TO 7k.

Daily cost: $21716
Cumm Cost: $137987

Lt snow, roads very slick.

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GOEDON ST SEB 7-14-8
LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: 702-575-3581
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3880

REPORTING TO: BARRY BRUMWELL
PHONE #: 623-239-7982
A.F.E. #: 11/ DRL 029
DAILY COST: $14,963
CUM. COST: $124,605
AFE EST (D&A): (D&C):

DAY:	89	REPORT DATE	14-Nov-11	STATUS 06:00	Drilling @ 3804 & mudding up					
DEPTH:	3492	PROG:	1293	KB:	7387.00	GL:	7375.10		MACP:	1098
SURVEYS:	1.75 @ 2513									
	3 @ 3049									

MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:		air 400 scfm									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"	Shear	SM616	6X20	16K	90	1293	21.75	21.5'/Hr	

	PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J	F-100	Triplex	6	7	100	273				
L & J	F-100	Triplex	6	7	100					

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
BIT SUB	6.25"	2.4"	2.75
XO	6.23"	2.25"	0.80
11 6.25" DC	6.25"	2.25"	334.05
4", FH, 14# To surf.	4.0"		
		TOTAL	338.10

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.50	WAIT MOVE	
SURVEY:	1.75	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	21.75	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		CORING	
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	0815	Drill f/ 2199 to 2513
0815	0915	Survey @ 2513 - 1.75 degrees
0915	0945	Rig service
0945	1715	Drill f/ 2513 to 3049
1715	1800	Survey @ 3039 - 3.0 degrees
1800	2400	Drill f/ 3049 to 3492

Drilling break @ 3360'

Started mudding up @ 3300'

Daily cost: $23,259
Cumm Cost: $169,580

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN ST SEB 7-14-8	LOCATION:	CARBON COUB=NTY, UTAH
		WELL LICENCE:	API # 4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	702-575-3581	PHONE #:	623-239-7982
SPUD DATE:	1400 HRS NOV 8, 2011	A.F.E. #:	11/DRL 029
R.R. DATE:		DAILY COST:	$14,710
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$184,790
EST. T.D:	3880	AFE EST (D&A):	(D&C):

DAY:	7	REPORT DATE	15-Nov-11	STATUS 06:00	Rigging up to run 5.5 production casing						
DEPTH:	3880	PROG:	388	KB:	7364.10	GL:	7351.10		MACP:		
SURVEYS:	3 @ 3522										
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	TJ 0905	7.875	Shear	SM 616	6 x 20	16K	RPM	388	8.25	40.9	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"	100	273	550			
L & J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
PDC Bit	7.875		0.50
Bit Sub	6.25	2.25	2.75
XO	6.25	2.25	0.80
11 6.25" DCs	6.25	2.25	364.25
4", 14#, X-hole DP to surf	4	2.05	
		TOTAL	368.30

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:	8.25	DST:	
HANDLE TOOLS:		TRIP:	5.50
CIRCULATE:	9.25	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		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	0030	Drill f/ 3492 to 3522
0030	0130	Wire line survey @ 3522 - 3 degrees
0130	0915	Dril f/ 3522 to 3880 (TD)
0915	1830	Mixing mud and mud up for logs
1830	2400	Trip out of hole for logs. No drag.

Daily Cost 14,710
Cumm Cost 184,790

WT. OF D.C. WT. OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN ST SEB 7-14-8	LOCATION:	CARBON COUB=NTY, UTAH
		WELL LICENCE:	API # 4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	702-575-3581	PHONE #:	623-239-7982
SPUD DATE:	1400 HRS NOV 8, 2011	A.F.E. #:	11/DRL 029
R.R. DATE:		DAILY COST:	$147,426
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$407,711
EST. T.D:	3880	AFE EST (D&A):	(D&C):

DAY:	#11		REPORT DATE	16-Nov-11	STATUS 06:00			Rig released @ 2400 hrs to Gordon ST SW 7-14-8				
DEPTH:	3880	PROG:		KB:	7364.10	GL:	7351.10		MACP:			
SURVEYS:												
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:		FC:		
ADDITIVES:												

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
										40.9	

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
PDC Bit	7.875		0.50
Bit Sub	6.25	2.25	2.75
XO	6.25	2.25	0.80
11 6.25" DCs	6.25	2.25	364.25
4", 14#, X-hole DP to surf	4	2.05	
		TOTAL	368.30

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	5.00
WELD ON BBL:		CEMENT:	1.50
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	16.50
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	1.00
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 93 JTS 5.5" mm 17 Kg/m N-80 LT&C CSG.
LANDED AT 3877.00 MKB. TOTAL LENGTH METERS.
CEMENTED WITH 346 sx G, 35/55 POZ, (see details below)
PLUG DOWN AT 0.00 HRS. ON 16-Nov-11 WITH no M3 CEMENT RETURNS.

LOGS RUN
Gamma Ray, Compensated Neutron, Compensated Density, Caliper, Dual Induction SP log

REMARKS

0000	0100	Trip out of hole for logs
0100	0200	RU wire line loggers
0200	0500	Log well with Gama Ray, Compensated Neutron, Compensated Density, Caliper, Dual Induction, and SP as per program.
0200	0600	RD wire line loggers
0600	2230	RU and run 91 jts. of 5.5:. 17.0 lbs/ft, N-80, LT&C casing. Landed @ 3877. Float @ 3835, Mkr @ 3538, Mkr @ 3361. Centralizer middle of shoe jt., across collars of next 20 collars, across every other collar (29) Total 50 centralizers. Fill - wash casing to bottom - 30'.
2230	2400	Cemented with preflush #1, 20 bbls water, preflush #2, 10 bbls React flush, followed by 346 sx (148.5 bbls) of 35/55 POZ cement with 0.2% Air Out, 40% Superball, 2% Calcium Chloride, 2.5% Super FI 200. Wt. 10.7 lbs/gal, water 8.2 gal/sx, yield 2.41. Dropped plug. Displaced with 85 bbls (calculated 85.7 bbls) fresh water. Bumped plug with 750 psi. Floats held, 1 bbl fresh water returned. Cement not circulated to surface.

Rig released to the Gordon ST SW 7-14-8. API# 43007502420000

Daily Cost 147426
Cumm Cost 407,711

WT. OF D.C. WT. OF STRING

Weather:

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 11/16/2011	☐ 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.

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		8/20/2012

RECEIVED: Aug. 20, 2012

EXECUTIVE SUMMARY REPORT

WELL:	GORDON CREEK ST SE-B-7-14-8	***API #:***	43000750255
COUNTY:	CARBON COUNTY, UTAH	***SPUD:***	17:30 HRS, 11/05/2011
OBJECTIVE:	To drill & complete a Ferron Gas well	***R.R.:***	24:00 HRS, 11/16/2011
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	38	0.5	0.5
Air Hammer	11	38	640	8.75	9.25
Tricone	11	640	804	4.5	13.75
Tricone	7 7/8	804	1066	8.5	22.25
PDC	7 7/8	1062	3880	46	68.25

CONDUCTOR CASING:

HOLE SIZE: 14 3/4" ***CONDUCTOR SET FROM:*** 0' to 38'

The 12 ¾" conductor pipe was run to 38' and cemented full length.

SURFACE CASING:

HOLE SIZE: 11" ***SURFACE CASING FROM:*** 0' to 711'

Ran a total of 16 joints of 8 5/8", 36 #/ft, J-55, ST&C casing landed at 711' KB. Cemented with 330 sks cement mixed at 15.8 ppg + ¼ #/gal cellfoflake + 2% CaCl2, pumped at 3.5 bpm. Bumped plug at 640 psi, float held, no returns. RIH down backside with 60 feet of 1" pipe and pump 70 sks of cement at 15.8# + ¼ #/gal cellfoflake + 2% CaCl2, no returns, wait on cement. Then pump an additional 60 sks of cement at 15.8 ppg + ¼ #/gal cellfoflake + 3% CaCl2, got returns to surface. Total cement pumped 460 sks.

PRODUCTION CASING:

HOLE SIZE: 7 7/8" ***SURFACE CASING FROM:*** 0' to 3,880'

Ran a total of 91 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 3,877' KB. MARKER JOINTS PLACED AT 3,538' & 3,361' KB. Cemented with: Preflush - 20 bbls of water followed by 10 bbls of React Flush, followed by 346 sks of 35/55 POZ cement + 0.2% Airout + 40% Superball + 2% CaCl2 + 2.5% Super FL 200. Bumped plug, floats held, no cement returns to surface.

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

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-5-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 05-Nov-11 Depth 0 Metres last 24 hr 0 Rotating hrs 0

Activity at report time Final Rep Wait on Daylite

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt ____ Vis ____ WL ____ Gels ____ Solids ____ % PV ____ YP ____ pH ____

Oil ____ % Sand ____ % Cake ____ PPMCL ____ PPMCa ____

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm				250psi	
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

MUD & CHEMICALS ADDED

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
				0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling		
2. Trips		
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair		
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: cement		
15. Nipple Up & Test BOPS		
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out	10.50	
21. Safety meeting		
TOTAL	10.50	0.00

REMARKS

Rig down and move rig and rig up W/ Nielson Construction.
3 haul trucks and 1 bed truck.(5.5hr) Wait on daylite(5hr)

COSTS

DAILY

CUMMULATIVE

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-7-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 07-Nov-11 Depth 635 Metres last 24 hr 595 Rotating hrs 0

Activity at report time DRLG AHEAD @688FT

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm				250psi	
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

.5	°	at 131	m	3/4	°	at 635	m
.5	°	at 224	m		°	at	m
2	°	at 350	m		°	at	m
1	°	at 445	m		°	at	m

MUD & CHEMICALS ADDED

40 SKS GEL 16 SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
14 3/4 BIT		14 3/4	1.5	
x/O SUB	2.5	8	1.00	
BIT SUB	2.5	6.50	3.10	
2 DRILL COLLARS	2.375	6.50	61.23	0
				0

REMARKS

Rig up blooie line (4hr) Head up wellhead and make up bha and trip in hole (3hr) Air/dust drlg from 38ft to 131ft.(2hr) survey at 131ft (1/4h air dust drill F/131ft to 224ft.(1.25hr) survey at 224ft(1/4hr) Air/mist drill F/224-350ft(.5hr) Survey at 350(1/4hr) Tagged water zone at 320ft.Air/mist drill F/350ft to 445ft(.75hr)surveyat 445(.25) drlg F/445 to 635ft(3hr) survey ar 635(.25)Drlg f 635to 640(.75)Tooh to change bit Wait on bit(.75) Make up bit and TIH(2.25hr) Repair liner washer pump(1.25hr) Air/mist drill F/640to 688ft (.5hr)

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	9.75	
2. Trips	5.50	
3. Rig Service		
4. Deviation Surveys	1.25	
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair	1.25	
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: bit	0.75	
15. Nipple Up & Test BOPS	5.50	
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

COSTS

DAILY $15,075

CUMMULATIVE $30,150

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-8-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 08-Nov-11 Depth 804 Metres last 24 hr 116 Rotating hrs 4

Activity at report time DRLG AHEAD @688FT

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm				250psi	
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m

MUD & CHEMICALS ADDED

40SKS GEL 150SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
11 BIT		14 3/4	1.5	
x/O SUB	2.5	8	1.00	
BIT SUB	2.5	6.50	3.10	
2 DRILL COLLARS	2.375	6.50	61.23	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	4.00	
2. Trips	2.00	
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud	13.00	
7. Circulation		
8. Rig Repair	1.50	
9. Run Casing & Cement	3.50	
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: bit		
15. Nipple Up & Test BOPS		
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rotary drill from 688ft to 804ft(4hr) Establish Circulation by mixing lcm pills 25% and finally getting returns by airating mud and slowly shutting air off and getting water to circulate with lcm(9hr) Tooh to run 8 5/8 casing.(2hr) Pickup and run 16 jts of 8 5/8 j55 STC 24# casing. (3.5hr) Stop 2 jts early due to tight hole and no circulating swedge. (1.5hr) Mix lcm and establish circulation of casing. Airaite mud and slowly cut back air to zero to get circulation mixing lcm.

COSTS

DAILY $15,075

CUMMULATIVE $45,225

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-9-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 09-Nov-11 Depth 804 Metres last 24 hr Rotating hrs 0

Activity at report time Nipple up bope

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm					250psi
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

MUD & CHEMICALS ADDED

40SKS GEL 150SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
				0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling		
2. Trips		
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair		
9. Run Casing & Cement	5.25	
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: cement welder	10.25	
15. Nipple Up & Test BOPS	3.00	
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. weld on wellhead	5.50	
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rig up and cement (3hr) WOC(1hr) cement backside (1hr)
Wait on more cement to arrive(4.45hr) Cement back side with 1"
(.25) wait on welder(5 1/2hr) cut conductor and casing and weld on
wellhead (5.5hr) nipple up bops(3hrs)

cement job 330 sks pumped normally 130sks pumped down back
side with 1" with 400sks 15.8ppg 2%cacl 1/4# celloflake, last 60sks
were 15.8ppg 3% cacl 1/4 celloflake, got returns to surface.

COSTS

DAILY		$49,125
CUMMULATIVE		$93,350

SUPERVISOR Michael Reis

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-10-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 10-Nov-11 Depth 1066 Metres last 24 hr 262 Rotating hrs 6.25

Activity at report time Drlg Ahead @ 1026ft

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	JETS mm 2	JETS mm 3	BIT WT	BIT RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	Dull Cond. B	Dull Cond. G
4	7 7/8	RMB	7-0095	22	22	22	25	65	1066	266.00	6.25	41.92	3	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	PUMP SPM	PUMP LINER	PUMP m³/MIN	ANN. VEL. DP	ANN. VEL. DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				500cfm				250psi	
L&J F500	7	105	6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

2 °	at 841 m	°	at m		
°	at m	°	at m		
°	at m	°	at m		
°	at m	°	at m		

MUD & CHEMICALS ADDED

10SKS GEL 8 soap sticks

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
bit		7.825	.5	1
bit sub	2.25	6.50	2.75	1
1 x/o	2.25	6.50	.8	
12-6.50 drill collars	2.25	6.50	364.25	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	6.25	
2. Trips	3.50	
3. Rig Service		
4. Deviation Surveys	0.75	
5. Ream & Cond. Hole	0.00	
6. Mix & Cond. Mud		
7. Circulation	2.50	
8. Rig Repair	4.25	
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on:		
15. Nipple Up & Test BOPS	3.50	
16. Drilling Out	3.25	
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. weld on wellhead		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Finished nipple up and test bop 2500high and 250low on kelly cock blind and pipe rams, choke valves, safety valve and choke line valve Make up bha(7 7/8 bit bit sub,xo, and 12-6.50drill collars) and TIH Tagged cement at 640. Un freeze rig mudlines and pump(4.25hr) Drlg cement from 640ft to 725ft and tag float@666ft and shoe @ 711ft. Open hole from 725ft to 804ft Attempted to blow hole dry and making about 100 gals/min. Load hole with water and rotary drill F/804 to 1026. Survey at 841ft is 2*

COSTS

DAILY $50,430

CUMMULATIVE $220,673

SUPERVISOR Michael Reis

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GOEDON ST SEB 7-14-8

LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: 702-575-3581
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3807

REPORTING TO: BARRY BRUMWELL
PHONE #: 623-239-7982
A.F.E. #: 11/ DRL 029
DAILY COST: $14,963
CUM. COST: $124,605
AFE EST (D&A): (D&C):

DAY:	26	REPORT DATE	11-Nov-11	STATUS 06:00			Tripping		MACP:	1098	
DEPTH:	1315	PROG:	249	KB:	7387.00	GL:	7375.10				
SURVEYS:											
MUD TYPE	H2O/Air	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ0905	7.875"	SHEAR	SM616	6X20	16k	90	362	12.75	28.4	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
Imsco 800									

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
Bit Sub	6.25"	2.4"	2.75
XO	6.25"	2.25"	0.80
11 - Drill Collars	6.25"	2.25"	334.05
4", 14 #/ft FH drill pipe to surface			
		TOTAL	338.10

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:	7.50	DST:	
HANDLE TOOLS:		TRIP:	9.50
CIRCULATE:	1.00	WAIT ON:	1.00
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	3.00	CORING	
Rig Out		WOO	
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

0:00	3:30	Drill from 1026' - 1062'
3:30	3:45	Wireline Survey - misrun
3:45	5:45	Trip OOH
5:45	7:00	Trip IH
7:00	8:00	WOO
8:00	11:00	Repair fork lift
11:00	12:45	Trip IH
12:45	13:45	Circulate air/water until returns obtained.
13:45	17:45	Drill from 1062' - 1315'
17:45	18:45	Plugged bit. Drain lines and drop survey
18:45	20:00	Trip OOH
20:00	24:00	Trip OOH. Clean bit and bit sub.

Weather: Snowing

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: Gordon ST SEB-7-14-8

LOCATION: CARBON COUNTY, UTAH

WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER

CELLULAR #: 702-575-3581

SPUD DATE: 1400 Hrs Nov 9 / 11

R.R. DATE:

CONTRACTOR: CBM PARTNERS CBM #1

EST. T.D: 3807'

REPORTING TO: BARRY BRUMWELL

PHONE #: 623-239-7982

A.F.E. #: 11/ DRL 029

DAILY COST: $12,963

CUM. COST: $61,620

AFE EST (D&A): (D&C):

	DAY:	#7	REPORT DATE	12-Nov-11	STATUS 06:00	Pluged drill pipe when tagged bottom						
	DEPTH:	2086'	PROG:	773'	KB:	7387.00	GL:	7375.10		MACP:	1098	
	SURVEYS:	2°	1586'									
	MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:	
	ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"		SM616	6X20	16K	90				

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

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.5'
BIT SUB	6.25"	2.4"	2.75'
XO	6.23"	2.25"	0.8'
12 6.25" DC	6.25"	2.25"	364.25'
		TOTAL	

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.25	WAIT MOVE	
SURVEY:	2.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	9.50	DST:	
HANDLE TOOLS:		TRIP:	8.25
CIRCULATE:	3.50	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	0.50	CORING	
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

Daily & cumm cost are presently being entered on cost control sheet.
Actual daily cost: $22,907 Actual cumm cost: $137987

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	Gordon ST SEB-7-14-8	LOCATION:	CARBON COUNTY, UTAH
		WELL LICENCE: API#	4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	702-575-3581	PHONE #:	623-239-7982
SPUD DATE:	1400 Hrs Nov 9 / 11	A.F.E. #:	11/ DRL 029
R.R. DATE:		DAILY COST:	$14,963
CONTRACTOR:	CBM PARTNERS CBM #1	CUM. COST:	$67,770
EST. T.D:	3807'	AFE EST (D&A):	(D&C):

DAY:	8	REPORT DATE	13-Nov-11	STATUS 06:00			Drilling @ 2483'				
DEPTH:	2199	PROG:	113	KB:	7387.00	GL:	7375.10		MACP:	1098	
SURVEYS:											
MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"	Shear	SM616	6X20	16K	90	113'	5.25	21.5'/Hr	

	PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J	F-100	Triplex	6	7	100	273				
L & J	F-100	Triplex	6	7	100					

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
BIT SUB	6.25"	2.4"	2.75
XO	6.23"	2.25"	0.80
11 6.25" DC	6.25"	2.25"	334.05
4", FH, 14# To surf.	4.0"		
		TOTAL	338.10

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:	5.25	DST:	
HANDLE TOOLS:		TRIP:	18.50
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		CORING	
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	0045	0.75	POOH
0045	0200	1.25	Unplug bit, bitsub, & DC
0200	0700	5.0	MU bit, bitsub, & DC, RIH to bottom. Attempt to circulate. Bit plugged
0700	1130	4.5	POOH
1130	1830	7.0	LD plugged DC. Unplug bit & bit sub. RIH to bottom, breaking circulation every 20 jts.
1830	1845	0.25	Circulate
1845	2400	5.25	Drill from 2086' to 2199' while conducting drill off test to find optimum drilling rate.

NOTE: WHILE CONDUCTING DRILL OFF TESTS IT WAS NOTED THAT WOB HIGHER THAN 8K WOULD STALL THE TOP DRIVE'S ROTARY ABILITY. DURING THE TIME INTERVAL 11:30 pm TO 24:00 HRS THE BEST ROP WAS WITH BIT WEIGHTS 5k TO 7k.

Daily cost: $21716
Cumm Cost: $137987

Lt snow, roads very slick.

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GOEDON ST SEB 7-14-8
LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: 702-575-3581
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3880

REPORTING TO: BARRY BRUMWELL
PHONE #: 623-239-7982
A.F.E. #: 11/ DRL 029
DAILY COST: $14,963
CUM. COST: $124,605
AFE EST (D&A): (D&C):

	DAY:	84	REPORT DATE	14-Nov-11	STATUS 06:00			Drilling @ 3804 & mudding up				
	DEPTH:	3492	PROG:	1293	KB:	7387.00	GL:	7375.10		MACP:	1098	
	SURVEYS:	1.75 @ 2513										
		3 @ 3049										
	MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:	
	ADDITIVES:		air 400 scfm									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"	Shear	SM616	6X20	16K	90	1293	21.75	21.5'/Hr	

	PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J	F-100	Triplex	6	7	100	273				
L & J	F-100	Triplex	6	7	100					

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
BIT SUB	6.25"	2.4"	2.75
XO	6.23"	2.25"	0.80
11 6.25" DC	6.25"	2.25"	334.05
4", FH, 14# To surf.	4.0"		
		TOTAL	338.10

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.50	WAIT MOVE	
SURVEY:	1.75	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	21.75	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		CORING	
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	0815	Drill f/ 2199 to 2513
0815	0915	Survey @ 2513 - 1.75 degrees
0915	0945	Rig service
0945	1715	Drill f/ 2513 to 3049
1715	1800	Survey @ 3039 - 3.0 degrees
1800	2400	Drill f/ 3049 to 3492

Drilling break @ 3360'

Started mudding up @ 3300'

Daily cost: $23,259
Cumm Cost: $169,580

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN ST SEB 7-14-8	LOCATION:	CARBON COUB=NTY, UTAH
		WELL LICENCE:	API # 4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	702-575-3581	PHONE #:	623-239-7982
SPUD DATE:	1400 HRS NOV 8, 2011	A.F.E. #:	11/DRL 029
R.R. DATE:		DAILY COST:	$14,710
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$184,790
EST. T.D:	3880	AFE EST (D&A):	(D&C):

DAY:	7	REPORT DATE	15-Nov-11	STATUS 06:00	Rigging up to run 5.5 production casing						
DEPTH:	3880	PROG:	388	KB:	7364.10	GL:	7351.10		MACP:		
SURVEYS:	3 @ 3522										
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	TJ 0905	7.875	Shear	SM 616	6 x 20	16K	RPM	388	8.25	40.9	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"	100	273	550			
L & J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
PDC Bit	7.875		0.50
Bit Sub	6.25	2.25	2.75
XO	6.25	2.25	0.80
11 6.25" DCs	6.25	2.25	364.25
4", 14#, X-hole DP to surf	4	2.05	
		TOTAL	368.30

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:	8.25	DST:	
HANDLE TOOLS:		TRIP:	5.50
CIRCULATE:	9.25	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		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	0030	Drill f/ 3492 to 3522
0030	0130	Wire line survey @ 3522 - 3 degrees
0130	0915	Dril f/ 3522 to 3880 (TD)
0915	1830	Mixing mud and mud up for logs
1830	2400	Trip out of hole for logs. No drag.

Daily Cost 14,710
Cumm Cost 184,790

WT. OF D.C. WT. OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN ST SEB 7-14-8	LOCATION:	CARBON COUB=NTY, UTAH
		WELL LICENCE:	API # 4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	702-575-3581	PHONE #:	623-239-7982
SPUD DATE:	1400 HRS NOV 8, 2011	A.F.E. #:	11/DRL 029
R.R. DATE:		DAILY COST:	$147,426
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$407,711
EST. T.D:	3880	AFE EST (D&A):	(D&C):

DAY:	7/11		REPORT DATE	16-Nov-11	STATUS 06:00				Rig released @ 2400 hrs to Gordon ST SW 7-14-8			
DEPTH:	3880	PROG:		KB:	7364.10	GL:	7351.10			MACP:		
SURVEYS:												
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:		FC:		
ADDITIVES:												

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
										40.9	

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
PDC Bit	7.875		0.50
Bit Sub	6.25	2.25	2.75
XO	6.25	2.25	0.80
11 6.25" DCs	6.25	2.25	364.25
4", 14#, X-hole DP to surf	4	2.05	
		TOTAL	368.30

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	5.00
WELD ON BBL:		CEMENT:	1.50
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	16.50
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	1.00
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 93 JTS 5.5" mm 17 Kg/m N-80 LT&C CSG.
LANDED AT 3877.00 MKB. TOTAL LENGTH METERS.
CEMENTED WITH 346 sx G, 35/55 POZ, (see details below)
PLUG DOWN AT 0.00 HRS. ON 16-Nov-11 WITH no M3 CEMENT RETURNS.

LOGS RUN
Gamma Ray, Compensated Neutron, Compensated Density, Caliper, Dual Induction SP log

REMARKS

0000	0100	Trip out of hole for logs
0100	0200	RU wire line loggers
0200	0500	Log well with Gama Ray, Compensated Neutron, Compensated Density, Caliper, Dual Induction, and SP as per program.
0200	0600	RD wire line loggers
0600	2230	RU and run 91 jts. of 5.5:. 17.0 lbs/ft, N-80, LT&C casing. Landed @ 3877. Float @ 3835, Mkr @ 3538, Mkr @ 3361. Centralizer middle of shoe jt., across collars of next 20 collars, across every other collar (29) Total 50 centralizers. Fill - wash casing to bottom - 30'.
2230	2400	Cemented with preflush #1, 20 bbls water, preflush #2, 10 bbls React flush, followed by 346 sx (148.5 bbls) of 35/55 POZ cement with 0.2% Air Out, 40% Superball, 2% Calcium Chloride, 2.5% Super FI 200. Wt. 10.7 lbs/gal, water 8.2 gal/sx, yield 2.41. Dropped plug. Displaced with 85 bbls (calculated 85.7 bbls) fresh water. Bumped plug with 750 psi. Floats held, 1 bbl fresh water returned. Cement not circulated to surface.

Rig released to the Gordon ST SW 7-14-8. API# 43007502420000

Daily Cost 147426
Cumm Cost 407,711

WT. OF D.C. WT. OF STRING

Weather:

CONFIDENTIAL

FORM 9

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

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.

5 LEASE DESIGNATION AND SERIAL NUMBER: ML-46537

6 IF INDIAN, ALLOTTEE OR TRIBE NAME:

7 UNIT or CA AGREEMENT NAME:

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

8 WELL NAME and NUMBER: GORDON CREEK SE 8-7-14-8

2 NAME OF OPERATOR: GORDON CREEK, LLC.

9 API NUMBER: 4300750255

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: 1353' FSL & 631' FEL

COUNTY: CARBON

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 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: 11/16/2011	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ 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

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

SIGNATURE: DATE: 8/12/2012

(This space for State use only)

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

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

EXECUTIVE SUMMARY REPORT

WELL:	GORDON CREEK ST SE-B-7-14-8	**API #:**	43000750255
COUNTY:	CARBON COUNTY, UTAH	**SPUD:**	17:30 HRS, 11/05/2011
OBJECTIVE:	To drill & complete a Ferron Gas well	**R.R.:**	24:00 HRS, 11/16/2011
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	38	0.5	0.5
Air Hammer	11	38	640	8.75	9.25
Tricone	11	640	804	4.5	13.75
Tricone	7 7/8	804	1066	8.5	22.25
PDC	7 7/8	1062	3880	46	68.25

CONDUCTOR CASING:

HOLE SIZE: 14 3/4" **CONDUCTOR SET FROM:** 0' to 38'

The 12 ¾" conductor pipe was run to 38' and cemented full length.

SURFACE CASING:

HOLE SIZE: 11" **SURFACE CASING FROM:** 0' to 711'

Ran a total of 16 joints of 8 5/8", 36 #/ft, J-55, ST&C casing landed at 711' KB. Cemented with 330 sks cement mixed at 15.8 ppg + ¼ #/gal cellfoflake + 2% CaCl2, pumped at 3.5 bpm. Bumped plug at 640 psi, float held, no returns. RIH down backside with 60 feet of 1" pipe and pump 70 sks of cement at 15.8# + ¼ #/gal cellfoflake + 2% CaCl2, no returns, wait on cement. Then pump an additional 60 sks of cement at 15.8 ppg + ¼ #/gal cellfoflake + 3% CaCl2, got returns to surface. Total cement pumped 460 sks.

PRODUCTION CASING:

HOLE SIZE: 7 7/8" **SURFACE CASING FROM:** 0' to 3,880'

Ran a total of 91 joints of 5 ½", 17.0 #/ft, N-80, LT&C casing landed at 3,877' KB. MARKER JOINTS PLACED AT 3,538' & 3,361' KB. Cemented with: Preflush - 20 bbls of water followed by 10 bbls of React Flush, followed by 346 sks of 35/55 PO7 cement + 0.2% Airout + 40% Superball + 2% CaCl2 + 2.5% Super FL 200. Bumped plug, floats held, no cement returns to surface.

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-5-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 05-Nov-11 Depth 0 Metres last 24 hr 0 Rotating hrs 0

Activity at report time Final Rep Wait on Daylite

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt ____ Vis ____ WL ____ Gels ____ Solids ____ % PV ____ YP ____ pH ____

Oil ____ % Sand ____ % Cake ____ PPMCL ____ PPMCa ____

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm					250psi
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

MUD & CHEMICALS ADDED

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
				0
				0

REMARKS

Rig down and move rig and rig up W/ Nielson Construction.
3 haul trucks and 1 bed truck.(5.5hr) Wait on daylite(5hr)

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling		
2. Trips		
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair		
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: cement		
15. Nipple Up & Test BOPS		
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out	10.50	
21. Safety meeting		
TOTAL	10.50	0.00

COSTS

DAILY

CUMMULATIVE

SUPERVISOR Michael Reis

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

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-7-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8
Day 07-Nov-11 Depth 635 Metres last 24 hr 595 Rotating hrs 0
Activity at report time DRLG AHEAD @688FT

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL ____ Gels ____ Solids ____ % PV ____ YP ____ pH ____
Oil ____ % Sand ____ % Cake ____ PPMCL ____ PPMCa ____

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
				1500cfm					250psi
precision air			6	234					
L&J F500	7		6	234					
L&J F500	7								

DEVIATION SURVEYS

.5 ° at 131 m 3/4 ° at 635 m
.5 ° at 224 m ____ " at ____ m
2 ° at 350 m ____ " at ____ m
1 " at 445 m ____ " at ____ m

MUD & CHEMICALS ADDED

40 SKS GEL 16 SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
14 3/4 BIT		14 3/4	1.5	
X/O SUB	2.5	8	1.00	
BIT SUB	2.5	6.50	3.10	
2 DRILL COLLARS	2.375	6.50	61.23	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	9.75	
2. Trips	5.50	
3. Rig Service		
4. Deviation Surveys	1.25	
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair	1.25	
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: bit	0.75	
15. Nipple Up & Test BOPS	5.50	
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rig up blooie line (4hr) Head up wellhead and make up bha and trip in hole (3hr) Air/dust drlg from 38ft to 131ft.(2hr) survey at 131ft (1/4h air dust drill F/131ft to 224ft.(1.25hr) survey at 224ft(1/4hr) Air/mist drill F/224-350ft(.5hr) Survey at 350(1/4hr) Tagged water zone at 320ft.Air/mist drill F/350ft to 445ft(.75hr)surveyat 445(.25) drlg F/445 to 635ft(3hr) survey ar 635(.25)Drlg f 635to 640(.75)Tooh to change bit Wait on bit(.75) Make up bit and TIH(2.25hr) Repair liner washer pump(1.25hr) Air/mist drill F/640to 688ft (.5hr)

COSTS

DAILY $15,075
CUMMULATIVE $30,150

SUPERVISOR Michael Reis

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

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-8-24:00
Yr - Mon - Day - Time

WELL NAME Gordan Creek ST LOCATION SEB 7-14-8

Day 08-Nov-11 Depth 804 Metres last 24 hr 116 Rotating hrs 4

Activity at report time DRLG AHEAD @688FT

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH

Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	I
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	I

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				1500cfm					250psi
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m
° at m	° at m	° at m	° at m

MUD & CHEMICALS ADDED

40SKS GEL 150SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
11 BIT		14 3/4	1.5	
x/O SUB	2.5	8	1.00	
BIT SUB	2.5	6.50	3.10	
2 DRILL COLLARS	2.375	6.50	61.23	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	4.00	
2. Trips	2.00	
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud	13.00	
7. Circulation		
8. Rig Repair	1.50	
9. Run Casing & Cement	3.50	
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: bit		
15. Nipple Up & Test BOPS		
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. Plug & Abandon		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rotary drill from 688ft to 804ft(4hr) Establish Circulation by mixing lcm pills 25% and finally getting returns by airating mud and slowly shutting air off and getting water to circulate with lcm(9hr) Tooh to run 8 5/8 casing.(2hr) Pickup and run 16 jts of 8 5/8 j55 STC 24# casing. (3.5hr) Stop 2 jts early due to tight hole and no circulating swedge. (1.5hr) Mix lcm and establish circulation of casing. Airaite mud and slowly cut back air to zero to get circulation mixing lcm.

COSTS

DAILY $15,075

CUMMULATIVE $45,225

SUPERVISOR Michael Reis

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

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING: 2011-11-9-24:00
Yr - Mon - Day -Time

WELL NAME: Gordan Creek ST
LOCATION: SEB 7-14-8
Day: 09-Nov-11
Depth: 804
Metres last 24 hr:
Rotating hrs: 0
Activity at report time: Nipple up bope

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL Gels Solids % PV YP pH
Oil % Sand % Cake PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G
1	14 3/4	RMB	7-0095	22	22	22	8	80	38	38.00	1.00	38.00	1	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
				1500cfm					250psi
precision air									
L&J F500	7		6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

° at m ° at m
° at m ° at m
° at m ° at m
° at m ° at m

MUD & CHEMICALS ADDED

40SKS GEL 150SKS FIBRESEAL

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
				0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling		
2. Trips		
3. Rig Service		
4. Deviation Surveys		
5. Ream & Cond. Hole		
6. Mix & Cond. Mud		
7. Circulation		
8. Rig Repair		
9. Run Casing & Cement	5.25	
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on: cement welder	10.25	
15. Nipple Up & Test BOPS	3.00	
16. Drilling Out		
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. weld on wellhead	5.50	
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Rig up and cement (3hr) WOC(1hr) cement backside (1hr)
Wait on more cement to arrive(4.45hr) Cement back side with 1"
(.25) wait on welder(5 1/2hr) cut conductor and casing and weld on
wellhead (5.5hr) nipple up bops(3hrs)

cement job 330 sks pumped normally 130sks pumped down back
side with 1" with 400sks 15.8ppg 2%cacl 1/4# celloflake, last 60sks
were 15.8ppg 3% cacl 1/4 celloflake, got returns to surface.

COSTS

DAILY $49,125
CUMMULATIVE $93,350

SUPERVISOR: Michael Reis

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

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 2011-11-10-24:00
Yr - Mon - Day -Time

WELL NAME Gordan Creek ST **LOCATION** SEB 7-14-8

Day 10-Nov-11 **Depth** 1066 **Metres last 24 hr** 262 **Rotating hrs** 6.25

Activity at report time Drlg Ahead @ 1026ft

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 8.3 Vis 27 WL ____ Gels ____ Solids ____ % PV ____ YP ____ pH ____

Oil ____ % Sand ____ % Cake ____ PPMCL ____ PPMCa ____

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	JETS mm 1	2	3	BIT WT	RPM	DEPTH OUT m	CUM m. DRLD	CUM. Rot hr	m/hr	Dull Cond. T	B	G
4	7 7/8	RMB	7-0095	22	22	22	25	65	1066	266.00	6.25	41.92	3	1	1
2	11	HAMMER	11168R	32	32	32	6	40	640	600.00	8.25	72.70	1	1	1
3	11	RMB		20	20	20	22	60	804	116.00	4.00	29.00	1	1	1

CIRCULATION RECORD

PUMP MAKE	PUMP STROKE	SPM	LINER	m³/MIN	ANN. VEL. DP	DC	JET VEL.	HHP	SURF. PRESS. kPa
precision air				500cfm				250psi	
L&J F500	7	105	6	234					
L&J F500	7		6	234					

DEVIATION SURVEYS

2 ° at 841 m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

____ ° at ____ m ____ ° at ____ m

MUD & CHEMICALS ADDED

10SKS GEL 8 soap sticks

BOTTOM HOLE ASSEMBLY

TOOL	ID mm	OD mm	LENGTH m	CUM.
bit		7.825	.5	1
bit sub	2.25	6.50	2.75	1
1 x/o	2.25	6.50	.8	
12-6.50 drill collars	2.25	6.50	364.25	0
				0

TIME ANALYSIS

OPERATION	DAILY	CUM.
1. Drilling	6.25	
2. Trips	3.50	
3. Rig Service		
4. Deviation Surveys	0.75	
5. Ream & Cond. Hole	0.00	
6. Mix & Cond. Mud		
7. Circulation	2.50	
8. Rig Repair	4.25	
9. Run Casing & Cement		
10. Fishing		
11. Logging		
12. Coring		
13. Formation Testing		
14. Waiting on:		
15. Nipple Up & Test BOPS	3.50	
16. Drilling Out	3.25	
17. Lost Circ.		
18. Laying Down DP & BOP's		
19. weld on wellhead		
20. Rig up - Tear out		
21. Safety meeting		
TOTAL	24.00	0.00

REMARKS

Finished nipple up and test bop 2500high and 250low on kelly cock blind and pipe rams, choke valves, safety valve and choke line valve Make up bha(7 7/8 bit bit sub,xo, and 12-6.50drill collars) and TIH Tagged cement at 640. Un freeze rig mudlines and pump(4.25hr) Drlg cement from 640ft to 725ft and tag float@666ft and shoe @ 711ft. Open hole from 725ft to 804ft Attempted to blow hole dry and making about 100 gals/min. Load hole with water and rotary drill F/804 to 1026. Survey at 841ft is 2*

COSTS

DAILY $50,430

CUMMULATIVE $220,673

SUPERVISOR Michael Reis

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

FULL REPORT
FOR 11/11/2011
IS MISSING
WHEN WELLSITE SUPERVISOR
WAS CHANGED OUT.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: Gordon ST SEB-7-14-8

LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: [redacted]
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3807'

REPORTING TO: BARRY BRUMWELL
PHONE #: [redacted]
A.F.E. #: 11/ DRL 029
DAILY COST: $12,963
CUM. COST: $61,620
AFE EST (D&A): (D&C):

Pluged drill pipe when tagged bottom

	DAY:	4	REPORT DATE	12-Nov-11	STATUS 06:00					MACP:	1098
	DEPTH:	2086'	PROG:	773'	KB:	7387.00	GL:	7375.10			
	SURVEYS:	2°	1585								

	MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:
	ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"		SM616	6X20	16K	90				

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

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.5'
BIT SUB	6.25"	2.4"	2.75'
XO	6.23"	2.25"	0.8'
12 6.25" DC	6.25"	2.25"	364.25'
	TOTAL		

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.25	WAIT MOVE	
SURVEY:	2.00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	9.50	DST:	
HANDLE TOOLS:		TRIP:	8.25
CIRCULATE:	3.50	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME	0.50	CORING	
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 ____ WITH ____ M3 CEMENT RETURNS.
PLUG DOWN AT ____ HRS. ON ____
LOGS RUN

REMARKS

Daily & cumm cost are presently being entered on cost control sheet.
Actual daily cost: $22,907 Actual cumm cost: $137987

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

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: Gordon ST SEB-7-14-8

LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: [redacted]
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3807'

REPORTING TO: BARRY BRUMWELL
PHONE #: [redacted]
A.F.E. #: 11/ DRL 029
DAILY COST: $14,963
CUM. COST: $87,770
AFE EST (D&A): (D&C):

DAY:	5	REPORT DATE	13-Nov-11	STATUS 06:00				Drilling @ 2483'	MACP:	1098
DEPTH:	2199	PROG:	113	KB:	7387.00	GL:	7375.10			
SURVEYS:										

MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:										

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"	Shear	SM616	6X20	16K	90	113'	5.25	21.5'/Hr	

	PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J	F-100	Triplex	6	7	100	273				
L & J	F-100	Triplex	6	7	100					

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
BIT SUB	6.25"	2.4"	2.75
XO	6.23"	2.25"	0.60
11 6.25" DC	6.25"	2.25"	334.05
4", FH, 14# To surf.	4.0"		
		TOTAL	338.10

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:	5.25	DST:	
HANDLE TOOLS:		TRIP:	18.50
CIRCULATE:	0.25	WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		CORING	
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 ____ WITH ____ M3 CEMENT RETURNS.
PLUG DOWN AT ____ HRS. ON ____
LOGS RUN

REMARKS

0000	0045	0.75	POOH
0045	0200	1.25	Unplug bit, bitsub, & DC
0200	0700	5.0	MU bit, bitsub, & DC, RIH to bottom. Attempt to circulate. Bit plugged
0700	1130	4.5	POOH
1130	1830	7.0	LD plugged DC. Unplug bit & bit sub. RIH to bottom, breaking circulation every 20 jts.
1830	1845	0.25	Circulate
1845	2400	5.25	Drill from 2086' to 2199' while conducting drill off test to find optimum drilling rate.

NOTE: WHILE CONDUCTING DRILL OFF TESTS IT WAS NOTED THAT WOB HIGHER THAN 8K WOULD STALL THE TOP DRIVE'S ROTARY ABILITY. DURING THE TIME INTERVAL 11:30 pm TO 24:00 HRS THE BEST ROP WAS WITH BIT WEIGHTS 5k TO 7k.

Daily cost: $21716
Cumm Cost: $137987

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

Weather: Lt snow, roads very slick.

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GOEDON ST SEB 7-14-8

LOCATION: CARBON COUNTY, UTAH
WELL LICENCE: API# 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: [redacted]
SPUD DATE: 1400 Hrs Nov 9 / 11
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM #1
EST. T.D: 3880

REPORTING TO: BARRY BRUMWELL
PHONE #: [redacted]
A.F.E. #: 11/ DRL 029
DAILY COST: $14,963
CUM. COST: $124,606
AFE EST (D&A): (D&C):

Drilling @ 3804 & mudding up

DAY:	5	REPORT DATE	14-Nov-11	STATUS 06:00					MACP:	1098
DEPTH:	3492	PROG:	1293	KB:	7387.00	GL:	7375.10			
SURVEYS:	1 75 @ 2513									
	3 @ 3049									

MUD TYPE	H2O/air	WT:		VISC:		WL:		PH:		FC:
ADDITIVES:		air 400 scfm								

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	METERS	HOURS	ROP	GRADE
4	TJ 0905	7.875"	Shear	SM616	0X20	16K	90	1293	21.75	21 5'/Hr	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6	7	100	273				
L & J F-100	Triplex	6	7	100					

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
Bit	7.875"		0.50
BIT SUB	6.25"	2.4"	2.75
XO	6.23"	2.25"	0.80
11 6.25" DC	6.25"	2.25"	334.05
4", FH, 14# To surf.	4.0"		
		TOTAL	338.10

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:	0.50	WAIT MOVE	
SURVEY:	1.75	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	21.75	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		CORING	
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 ____ HRS. ON ____ WITH ____ M3 CEMENT RETURNS.
PLUG DOWN AT
LOGS RUN

REMARKS

0000	0815	Drill f/ 2199 to 2513
0815	0915	Survey @ 2513 - 1 75 degrees
0915	0945	Rig service
0945	1715	Drill f/ 2513 to 3049
1715	1800	Survey @ 3039 - 3.0 degrees
1800	2400	Drill f/ 3049 to 3492

Drilling break @ 3360'

Started mudding up @ 3300'

Daily cost $23,259
Cumm Cost. $169,580

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

Weather: Cold & clear

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME: GORDEN ST SEB 7-14-6

LOCATION: CARBON COUB=NTY, UTAH
WELL LICENCE: API # 4300731230

SUPERVISOR: CHUCK WALTER
CELLULAR #: [redacted]
SPUD DATE: 1400 HRS NOV 8, 2011
R.R. DATE:
CONTRACTOR: CBM PARTNERS CBM # 100
EST. T.D: 3880

REPORTING TO: BARRY BRUMWELL
PHONE #: [redacted]
A.F.E. #: 11/DRL 029
DAILY COST: $14,710
CUM. COST: $184,790
AFE EST (D&A): (D&C):

Rigging up to run 5 5 production casing

DAY:	7	REPORT DATE	15-Nov-11	STATUS 06:00				MACP:	
DEPTH:	3880	PROG:	388	KB: 7364.10		GL: 7351.10			
SURVEYS:	3 @ 3522								
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:	FC:
ADDITIVES:									

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
4	TJ 0905	7.875	Shear	SM 516	6 x 20	16K	RPM	388	8.25	40 9	

PUMP	DESCR.	LINER	STK	SPM	RATE	PRESS	AV DC	AV DP	NOZZLE VEL
L & J F-100	Triplex	6"	7"	100	273	550			
L & J F-100	Triplex	6"	7"						

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
PDC Bit	7.875		0.50
Bit Sub	6.25	2.25	2.75
XO	6.25	2.25	0.80
11 6.25" DCs	6.25	2.25	364.25
4", 14#, X-hole DP to surf	4	2.05	
		TOTAL	368.30

TIME DISTRIBUTION

MOVE RIG:		L.D.D.B.:	
RIG TO SPUD:		LOGGING:	
WELD ON BBL:		CEMENT:	
RIG SERVICE:		WAIT MOVE	
SURVEY:	1 00	WOC:	
PRESSURE TEST:		RUN CSG:	
DRILL:	8 25	DST:	
HANDLE TOOLS:		TRIP:	5.50
CIRCULATE:	9.25	WAIT ON:	
NIPPLE DN BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEETING:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24 00		

LAST CASING SUMMARY

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

REMARKS

0000	0030	Drill f/ 3492 to 3522
0030	0130	Wire line survey @ 3522 - 3 degrees
0130	0915	Dril f/ 3522 to 3880 (TD)
0915	1830	Mixing mud and mud up for logs
1830	2400	Trip out of hole for logs. No drag.

Daily Cost 14,710
Cumm Cost 184,790

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

WT OF D C WT OF STRING

Weather:

THUNDERBIRD ENERGY

DAILY DRILLING REPORT

WELL NAME:	GORDEN ST SE8 7-14-8	LOCATION:	CARBON COUB=NTY, UTAH
		WELL LICENCE:	API # 4300731230
SUPERVISOR:	CHUCK WALTER	REPORTING TO:	BARRY BRUMWELL
CELLULAR #:	[redacted]	PHONE #:	[redacted]
SPUD DATE:	1400 HRS NOV 8, 2011	A.F.E. #:	11/DRL 029
R.R. DATE:		DAILY COST:	$147,426
CONTRACTOR:	CBM PARTNERS CBM # 100	CUM. COST:	$407,711
EST. T.D:	3880	AFE EST (D&A):	(D&C):

Rig released @ 2400 hrs to Gordon ST SW 7-14-8

DAY:	7	REPORT DATE	16-Nov-11	STATUS 06:00					MACP:		
DEPTH:	3880	PROG:		KB: 7384.10		GL: 7381.10					
SURVEYS:											
MUD TYPE:	Air/water	WT:		VISC:		WL:		PH:		FC:	
ADDITIVES:											

BIT	SERIAL #	SIZE	MFG	TYPE	JETS	WOB	RPM	FEET	HOURS	ROP	GRADE
										40.9	

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

DRILLING ASSEMBLY

TOOL	OD	ID	LENGTH
PDC Bit	7.875		0.50
Bit Sub	6.25	2.25	2.75
XO	6.25	2.25	0.80
11 6.25" DCs	6.25	2.25	354.25
4", 14#, X-hole DP to surf	4	2.05	
		TOTAL	358.30

TIME DISTRIBUTION

MOVE RIG:		L.D.D.S.:	
RIG TO SPUD:		LOGGING:	5.00
WELD ON BBL:		CEMENT:	1.50
RIG SERVICE:		WAIT MOVE	
SURVEY:		WOC:	
PRESSURE TEST:		RUN CSG:	16.50
DRILL:		DST:	
HANDLE TOOLS:		TRIP:	1.00
CIRCULATE:		WAIT ON:	
NIPPLE ON BOP:		WELD BOWL	
DRILL OUT:		DIR. WORK:	
REAM:		PASON	
SAFETY MEERNG:		SLIP LINE:	
STUCK & FISH:		WORK CON:	
RIG DOWN TIME		Other	
Rig Out		Nipple Up	
TOTAL HOURS:	24.00		

LAST CASING SUMMARY

RAN 93 JTS 5.5" mm 17 Kg/m N-80 L.T.&C CSG.
LANDED AT 3877.00 MKB. TOTAL LENGTH METERS.
CEMENTED WITH 346 sx G, 35/55 POZ, (see details below) WITH 00 M3 CEMENT RETURNS.
PLUG DOWN AT 0.00 HRS. ON 16-Nov-11
LOGS RUN
Gamma Ray, Compensated Neutron, Compensated Density, Caliper, Dual Induction SP log

REMARKS

0000	0100	Trip out of hole for logs
0100	0200	RU wire line loggers
0200	0500	Log well with Gama Ray, Compensated Neutron, Compensated Density, Caliper, Dual Induction, and SP as per program
0200	0600	RD wire line loggers
0600	2230	RU and run 91 jts of 5.5 17.0 lbs/ft, N-80, LT&C casing. Landed @ 3877. Float @ 3835, Mkr @ 3538, Mkr @ 3361. Centralizer middle of shoe jt , across collars of next 20 collars, across every other collar (29) Total 50 centralizers. Fill - wash casing to bottom - 30'.
2230	2400	Cemented with preflush #1, 20 bbls water, preflush #2, 10 bbls React flush, followed by 346 sx (148.5 bbls) of 35/55 POZ cement with 0.2% Air Out, 40% Superball, 2% Calcium Chloride, 2.5% Super FI 200. Wt. 10.7 lbs/gal, water 8.2 gal/sx, yield 2.41. Dropped plug Displaced with 86 bbls (calculated 85.7 bbls) fresh water. Bumped plug with 750 psi. Floats held, 1 bbl fresh water returned Cement not circulated to surface.

Rig released to the Gordon ST SW 7-14-8. API# 43007502420000

Daily Cost 147426
Cumm Cost 407,711

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

WT OF D.C WT OF STRING

Weather:

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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
✓ SUBSEQUENT REPORT Date of Work Completion: 6/30/2012	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ 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: 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 11/16/2011) until June 30, 2012. The well was cased with 5 1/2" production casing to 3,880' KB and is sitting as a cased Potential Ferron Gas Well.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
August 28, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations
SIGNATURE		**DATE**
N/A		8/27/2012

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-46537

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

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

2. NAME OF OPERATOR: GORDON CREEK, LLC.

9. API NUMBER: 4300750255

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

PHONE NUMBER: (403) 453-1608

10 FIELD AND POOL, OR WILDCAT: UNDESIGNATED

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1353.35' FSL & 631.01' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1353.35' FSL & 631.01' FEL
AT TOTAL DEPTH: 1353.35' FSL & 631.01' FEL

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

12. COUNTY: CARBON

13. STATE: UTAH

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED:	ABANDONED	READY TO PRODUCE	17. ELEVATIONS (DF, RKB, RT, GL):
11/5/2011	11/14/2011	10/14/2012	☐	☑	KB = 7399.1'

18. TOTAL DEPTH:	19. PLUG BACK T.D.:	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE PLUG SET:
MD 3,880 TVD 3,880	MD 3,867 TVD 3,867		MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
DUAL INDUCTION/GR, DENSITY NEUTRON, GR/CALIPER, PULSED NEUTRON/GR, 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	38				0	
11"	8.625 J55	36	0	711		CL III 460		0	
7.875"	5.500 N80	17	0	3,880		[illegible]46		2020	

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"	3,725							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) FERRON	3,664	3,880	3,664	3,880
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
3,666 3,832	0.56	192	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3666-3832 (MULTI INTS)	SLICKWATER BORATE FRAC w/ 22,285 # OF 20/40 WHITE SAND (FRAC INCOMPLETE)
3666-3832 (MULTI INTS)	SLICKWATER BORATE RE-FRAC w/ 40,255 # OF 20/40 WHITE & 77,840 # 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: COMPLETION RPTS

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	3,664	3,880	SANDSTONES AND COALS

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Lower Bluegate Bentonite Mkr	3,569
Upper Ferron Marine SS	3,664
Ferron SS	3,707

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 11/1/2012

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 SE-B-7-14-8 was perforated and stimulated with the following intervals:		
ATTEMPT #1	3666-3670	FRACTURE STIMULATED WITH A SLICKWATER BORATE FRAC with 22,285 # OF 20/40 WHITE SAND - PUMPING COMPANY RAN OUT OF WATER BEFORE TREATMENT WAS COMPLETED.
	3729-3730	
	3753-3755	
	3778-3781	
	3792-3804	
	3824-3832	
ATTEMPT #2	3666-3670	SUCESSFULLY FRACTURE STIMULATED WITH A SLICKWATER BORATE FRAC with 40,255 # OF 20/40 WHITE SAND and 77,840 # OF 16/30 WHITE SAND.
	3729-3730	
	3753-3755	
	3778-3781	
	3792-3804	
	3824-3832	

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 SE-B-7-14-8	**Todays Date:**	July 17, 2012
Objective:	Drill out prep to complete	**Day #:**	1
AFE #:	11CMP014 Daily Cost: $21,370 Prev. Cost: $0	**Cummulative Cost:**	$21,370

Zones of Interest: Name: _____ Perf Int.'s _____
Name: _____ Perf Int.'s _____
Name: _____ Perf Int.'s _____

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Tubing:	Size	Weight	Landed @	PSN Depth
#1	2.375	4.7		
#2				

Rod String:	No. of	Size	Type

Pump Description:

Depths:	TD:	3880	PBTD:	3835	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing:** 0 **SCV:**

24 Hour Summary: move on loc, rig up and start in hole

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	pushed road for entry,
12:00	set 4 anchors, (7'), test pulled 15k
13:00	move on rig and equipment
14:00	rig up rig and equipment, no pressure on casing
16:00	NDWH, NUBOP, casing full of H2O, pressure tested to 3150#
16:30	rig up floor to run pipe
18:00	talley & rih with BHA, 4 3/4 bit, scaper, 12 DC
20:30	prep pipe, talley rih with 28 jts. SDFN

Daily Cost Summary

Item	Amount
rig	$9,270
RM bits	$2,500
triple H	$4,000
trucking	$1,170
grader	$630
yard time	$280
consulting	$2,320
Anchors	$1,200
Daily Cost:	$21,370

Personnel On Location:

Rig:	4
Service:	
GCLLC	1
Total:	5

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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8			**Todays Date:**	July 18, 2012
Objective:	Drill out prep to complete			**Day #:**	2
AFE #:	11CMP014	Daily Cost:	$7,120	Prev. Cost:	$21,370
				Cummulative Cost:	$28,490

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	travel to loc
8:00	talley pipe and prep
9:30	TIH, tagged @ 3831'
10:30	rig up power sub and prep to drill
12:15	drilled to 3866.67
13:30	cir hole at 2.5 bpm, two rotations
14:30	laid out 1 jt. Pressure tested to 3000#, 5,10,15, min
15:30	circulated hole with 85 bbls. Of fresh water
16:00	laid down power sub, prep to POOH
17:30	TOOH, replacing protector on pipe
18:30	laid out BHA (bit in good shape)
20:00	prep to rig down and racked out equipment
21:00	travel back to town

Daily Cost Summary

Item	Amount
Rig	$5,400
water truck	$720
consulting	$1,000
Daily Cost:	$7,120

Personnel On Location:

Rig:	4
Service:	1
Bentley	1
Total:	6

Fluid Record:	**Oil**	**Water**
Hauled in		170
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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	July 19, 2012
Objective:	Drill out prep to complete	**Day #:**	3
AFE #:	11CMP014	**Daily Cost:**	$15,315
Prev. Cost:	$28,490	**Cummulative Cost:**	$43,805

Zones of Interest:

Name:		Perf Int.'s	
Name:		Perf Int.'s	
Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

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

Rod String:	No. of	Size	Type

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	travel to loc
9:00	Rig down, clean out flat tank, prep to move
12:00	rig up pulse neutron, logged well, rigged down and released to move
	* CBL run on 7-21-12,

Daily Cost Summary

Item	Amount
Rig	$1,315
loggers	$10,000
consulting	$1,000
Pioneer	$3,000
Daily Cost:	$15,315

Personnel On Location:

Rig:	4
Service:	3
GCLLC	1
Total:	8

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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	July 22, 2012
Objective:	Drill out prep to complete	**Day #:**	4
AFE #:	11CMP014	Daily Cost:	$5,793
Prev. Cost:	$43,805	**Cummulative Cost:**	$49,598

Zones of Interest:

Name:		Perf Int.'s	
Name:		Perf Int.'s	
Name:		Perf Int.'s	

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	travel to loc
8:30	move on and rig up,
9:00	spot in equipment
10:00	nipple up BOP, talley pipe, picked up 1 jt, SN
13:30	RIH to 3499', sn
14:30	swabbing
15:00	lightining storm
17:00	continue swabbing to 3350'
17:30	laid out lubricator
18:30	POOH laying down
19:00	nipple down BOP, nipple up well head
20:00	rig down prep to move

Daily Cost Summary

Item	Amount
rig	$4,793
consulting	$1,000
Daily Cost:	$5,793

Personnel On Location:

Rig:	4
Service:	
Bentley	1
Total:	5

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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	August 4, 2012
Objective:	Drill out prep to complete	**Day #:**	5
AFE #:	11CMP014	Daily Cost:	$6,556	Prev. Cost:	$49,598	**Cummulative Cost:**	$56,154

Zones of Interest:	Name:	Ferron	Perf Int.'s 3790-3804'
	Name:		Perf Int.'s
	Name:		Perf Int.'s

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary: **perf and watch pressure build up**

Operation at 0800 Hours: traveling to loc.

Time	Detailed Description of Previous Days Operations
8:00	travel to loc
9:00	rig up wireline to perf.
10:00	rRIH with 12' & 2' perf guns, 6spf. .56, 35' pent.
10:30	shot from 3804-3792, 3792-3790, (fluid level at 3100', tagged after shot fluid level @ 3060'
12:00	pooh and laid out guns, all shot good, released wireline
	Shut in well @ 11:30am watched SI pressure 1:30pm 2 hr.
	left over night to build up casing pressure

Daily Cost Summary

Item	Amount
RMWS	$5,556
SWS	$1,000
stream flo	$675
Daily Cost:	$7,231

Personnel On Location:

Rig:	
Service:	3
GCLLC	1
Total:	4

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:	sunny
Temp:	87
Lease:	ok
Roads:	ok
Rig Co:	None
Rig #:	

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	August 5, 2012
Objective:	Drill out prep to complete	**Day #:**	6
AFE #: 11CMP014	Daily Cost: $375 Prev. Cost: $56,154	**Cummulative Cost:**	$56,529

Zones of Interest: Name: _____ Perf Int.'s _____
Name: _____ Perf Int.'s _____
Name: _____ Perf Int.'s _____

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description: _____

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	**Detailed Description of Previous Days Operations**
15:00	shot fluid level (accustic velocity of methane fl level 3250) (accustic velocity of air fl level 2875) second shot the same with 5 seconds travel Casing pressure 5# after 28 hrs. SI.

Daily Cost Summary

Item	Amount
SWS	$150
Stream flo 3 day	$225
Daily Cost:	$375

Personnel On Location:

Rig:	
Service:	
Bentley	
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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	August 10, 2012
Objective:	perf new intervals	**Day #:**	7
AFE #:	11CMP014	Daily Cost:	$1,300
		Prev. Cost:	$56,529
		Cummulative Cost:	$57,829

Zones of Interest:	Name:	Ferron	Perf Int.'s 3790-3804
	Name:		Perf Int.'s
	Name:		Perf Int.'s

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
8:00	travel to loc
8:30	call state rep. for approval on Perf job
12:30	received approval by Mark Jones to submit and subsequenial report
14:00	Thunder storms and lightining all around loc. SD for safety reasons

Daily Cost Summary

Item	Amount
consulting	$1,000
RMWS	n/c
Stream flo 4day	$300
Daily Cost:	$1,300

Personnel On Location:

Rig:	
Service:	
Bentley	
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:	stormy
Temp:	80
Lease:	muddy
Roads:	muddy
Rig Co:	n/a
Rig #:	n/a

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8			**Todays Date:**	August 11, 2012
Objective:	Drill out prep to complete			**Day #:**	8
AFE #:	11CMP014	Daily Cost:	$10,210	Prev. Cost:	$57,829	**Cummulative Cost:**	$68,039
Zones of Interest:	Name:	lower& midFerron	Perf Int.'s	3824-32, 3790-3804, 3778-81,3753-55			
	Name:	Upper Ferron	Perf Int.'s	3729-30,3666-79,			
	Name:		Perf Int.'s				

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

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

Rod String:	No. of	Size	Type

Pump Description:

Depths:	TD:	3256	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7399.1	GL:	7386.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing:** **5** **SCV:**

24 Hour Summary: **SI pressure build up test**

Operation at 0800 Hours: Travel to loc

Time	Detailed Description of Previous Days Operations
8:00	travel to location
12:30	CP @5#, rig up and RIH with first guns and shooting gamma tagged @ TD 3856' loggers TD, run gamma strip, corrilated with open hole log and CBL. Shot zones 3824-32' (8'), & 3778-81, (3'), POOH 2nd run logged gamma strip to corrilate of open hole log & CBL, shot zone 3753-55 (2'), 3729-30' (1'), 3666-70' (4'), logged perfs TOOH 1 run to perf fl. Level @ 2730', 2nd run FL. Level @ 2660'
13:30	SI casing @ 11:30am dry watched well to 13:30 pressure up to 6#
14:30	travel back to town

Daily Cost Summary

Item	Amount
RMWS	$8,985
SWS	$1,000
Stream flo (3D)	$225
Daily Cost:	$10,210

Personnel On Location:

Rig:	
Service:	2
GCLLC	1
Total:	3

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:	clear
Temp:	80
Lease:	ok
Roads:	ok
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8			**Todays Date:**	August 13, 2012
Objective:	Drill out prep to complete			**Day #:**	9
AFE #:	11CMP014	Daily Cost:	$300	Prev. Cost:	$68,039
				Cummulative Cost:	$68,339

Zones of Interest:	Name:	Lower/ Mid Ferron	Perf Int.'s 3824-32,3790-3804,3778-81,3753-55'
	Name:	Upper Ferron	Perf Int.'s 3729-30, 3666-70
	Name:		Perf Int.'s

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

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

Rod String:	No. of	Size	Type

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing:** **22** **SCV:**

24 Hour Summary: **SI build up test (2nd)**

Operation at 0800 Hours: travel to location

Time	Detailed Description of Previous Days Operations
8:00	traveled to loc
9:00	Checked CP @ 22#, shot acustic fluid level
	1st & 2nd shot the same 3.8 sec. air velocity 2185', gas velocity 2470'
10:00	travel back to town

Daily Cost Summary

Item	Amount
SWS	$150
Stream Flo (2D)	$150
Daily Cost:	$300

Personnel On Location:

Rig:	
Service:	
GCLLC	1
Total:	1

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:	rainy
Temp:	59
Lease:	wet
Roads:	wet
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	September 19, 2012
Objective:	Prepare to Frac	**Day #:**	10
AFE #: 11CMP014	Daily Cost: $31,625 Prev. Cost: $68,339	**Cummulative Cost:**	$99,964

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	3835	TD (TVD):
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing: 85 psi** **SCV: 0 psi**

24 Hour Summary:

Operation at 0800 Hours: Rigging up to Frac

Time	Detailed Description of Previous Days Operations
8:00	Arrive on location. Throughout day, while the 4 - 500 - bbl frac tanks were being filled, I mixed potash at 70 bags per 500 bbls to achieve 2% K in tanks.
10:00	Rigged to and pumped 20 bbls of 2% Kcl water down well to kill well.
11:30	Well full of water.
13:00	Remove wellhead top section, rental 7 1/16" valve and tubing spool. Install WeirSeaboard 10 K frac wellhead.
14:00	Frac crew arriving on location and starting to rig up.
16:30	One of NABORS trucks cut the corner at bridge near Burnside well and damaged his trailer. Could not move unit for 3 hours, as only way in it stacked everything up behind it. Bridge appears to be ok.
19:00	Nabors continued to move in and rig up. I left location to investigate report of an RNI water truck having rolled over.Located truck on the Forestry Road about 1.5 miles past the turnoff into this location. The Driver claims he got lost and that was the first place to turn around, missed the 2-track trail and backed truck into a small wash. I counted 3 excellent places to turn around prior to where he rolled hs truck.
21:00	NABORS trailer repaired - frac on for tomorrow AM.

Daily Cost Summary

Item	Amount
RNI - Tank Haul	$3,600
RNI - Tank Rent	$140
Seaboard - BOP	$2,200
Howa's - Truck	$520
Howa's - KCl	$17,145
Neilsons - Picker	$1,000
RNI - water haul	$7,020
Daily Cost:	$31,625

Personnel On Location:

Rig:	
Service:	51
Tbird	1
Total:	

Fluid Record:	**Oil**	**Water**
Hauled in		1700
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	73°
Temp:	
Lease:	Dry & Dusty
Roads:	Dry & Dusty
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	Barry Brumwell
Cell #:	623-239-7982
Alt #:	
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	September 20, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	11 (Page 1 of 2)
AFE #:	11CMP014 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:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing: vacuum** **SCV:** **0**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
6:00	Travel to location
7:00	Finish Rigging in NABORS frac equipment
11:15	Pressure test lines to 6998 psi, leaked of to 6892 psi over 15 mins OK!
11:45	Safety meeting - 46 total men on location. Reviewed job and 3 times I emphasized there are no dumb questions & if you are unsure about what you are doing to let us know on radios.
12:00	Begin frac. Load well with 29 bbls of water - well on vacuum @ start. Well showed NO breakdown pressure - began pumping acid at 749 psi 3 of the 11 pumpers unable to contribute fully, couldn't get rate up to 90 BPM for several minutes - I wouldn't allow any sand into the wellbore until the rate was above 85 BPM. Got pumps slowly on line but wasted a LOT of water waiting to get rate up.
12:20	Hydration unit lots fuel pressure. Shut down job before 20/40 sand ISIP = 664 psi. Repair hydration unit
12:35	Unit repaired, however NABORS Engineer Tyson Swinford now worried about water vol. Discussed and approved increasing sand concentration much faster than programed (I felt that since breakdown was so low the chance of screening out was low).
12:40	Begin pumping modified frac. 20/40 sand concentration was NOT ramped up as planned - Frac Operator VERY pensive in calling for conc
	(continued on next sheet)

Daily Cost Summary	
Item	Amount
Daily Cost:	

Personnel On Location:	
Rig:	
Service:	
Bentley	
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:	Barry Brumwell
Cell #:	623-239-7982
Alt #:	
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	September 20, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	11 (Page 2 of 2)
AFE #:	11CMP014 Daily Cost: $20,840 Prev. Cost: $99,964	**Cummulative Cost:**	$120,804

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing: vacuum** **SCV:** **0**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
	increase. As a result we ran out of water with only 22,000 # of sand placed into perfs (with flush water still on hand). I shut job down and told Tyson Swinford to flush wellbore of sand to bottom perfs. He said we had done so. Tyson was very upset when concentrations weren't increasing. At conclusion of pumping he stated NABORS TOTALLY screwed up and they wouldn't be charging us for this frac. I said that's fine but I still have a wellbore that needs to be fracced.
	Other NABORS personnel came into Data Van and asked the Operator why he didn't call for increased sand concentrations? Operator said he WAS and it was determined that the blender operator couldn't hear the Operator. Post job, it was determined that others COULD hear the
12:55	Lead Operator.
	ISIP: 768 psi and dropping
	NOTE: JOB FRAC PROGRAM REQUIRED 1540 bbls WATER THERE WAS 1700+ bbls OF WATER ON LOCATION FOR JOB
	Hauled water from SW-7-14-8 to refill tanks here to re-frac tomorrow. Also brought out another 294 bags of Potash for mix with water

Daily Cost Summary

Item	Amount
NABORS	$0
ProTechnics	$3,700
Seaboard - BOP	$785
RNI -Trucking	$7,020
Howa's - Potash	$9,335
Daily Cost:	$20,840

Personnel On Location:

Rig:	
Service:	
Bentley	
Total:	

Fluid Record:	**Oil**	**Water**
Hauled in		1700
Total Fluid :		
Fluid Pumped In:		
Left to Recover		
Fluid Hauled Out		
Load Left to Recover:		

AM Weather & Roads:	
Weather:	
Temp:	68°
Lease:	Dry & Dusty
Roads:	Dry & Dusty
Rig Co:	
Rig #:	

Contact Information:	
Supervisor:	Barry Brumwell
Cell #:	623-239-7982
Alt #:	
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	September 21, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	12
AFE #:	11CMP014 Daily Cost: $13,225 Prev. Cost: $120,804	**Cumulative Cost:**	$134,029

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **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.
8:00	Move frac equipment out of immediate wellhead area to make space for Wireline Unit. Move equipment to SW-7-14-8
10:00	MORU RMWS electric wireline unit and ProTechnics SpectraScan equ.
11:15	Tie into wellhead and RIH with SpectraScan logging tool. Tag fill at 3772' KB. Make multiple attempts to work thru - no go. Log up from 3772' - 3100'
	NOTE: BOTTOM 3 PERF INTERVALS INACCESSIBLE DUE TO FILL
13:00	Rig down and rig out RMWS and Protechnics
14:00	Continue moving frac equipment off of location to SW-7-14-8
15:30	Left location to observe operations occurring at NW-32-13-8
17:45	Travel back to Price and line up tomorrows activities

Daily Cost Summary

Item	Amount
RMWS-wireline	$2,400
ProTechnics	$7,500
RNI-tank rental	$840
Seaboard-BOP	$785
WW Logis.-toilet	$200
StreamFlo-valve	$1,500
Daily Cost:	$13,225

Personnel On Location:

Rig:	
Service:	48
Bentley	1
Total:	49

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:	Barry Brumwell
Cell #:	623-239-7982
Alt #:	
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	September 22, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	13
AFE #:	11CMP014 Daily Cost: $8,871 Prev. Cost: $134,029	**Cummulative Cost:**	$142,900

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** **Casing: vacuum** **SCV:** **0**

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	Arrive on location and hold safety meeting
7:15	Continue moving NABORS frac equipment off of location (was supposed to be completed yesterday!!!)
10:00	NABORS Rig 808 arrives on location. Spot rig, set equipment, rig up
11:00	Nipple down 10K frac valve and wellhead, nipple up rig BOPs
12:00	Make up sand pump assembly consisting of blade bit, check valves (2) x/o sub, 28 jts of 2 3/8" tubing, bailer assembly, 10 jts of 2 3/8" tubing, perforated pup, then 2 3/8" tubing to sfc. RIH and tage fill at 3839' KB, beging stroking bailer. Work down to 3866' observing some small breaks in fill on the way down. Stroke bailer for 30 mins at PBTD.
16:00	POOH, laying down tubing onto trailer while coming out. Lay down bailer, start pulling wet @ 18 joints from bottom. Final 4 joints of tubing contained frac sand. Blade bit and sub full of gun debris, indicating sucessful cleanout down to PBTD.
18:30	Shut in rig and SDFN
19:00-20:00	Travel to Price

Daily Cost Summary

Item	Amount
Nabors - Rig	$6,971
RNI-tank rental	$840
Seaboard-BOP	$785
WW Logis.-toilet	$200
StreamFlo-valve	$75
Daily Cost:	$8,871

Personnel On Location:

Rig:	4
Service:	3
Bentley	2
Total:	9

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:	Barry Brumwell
Cell #:	623-239-7982
Alt #:	
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	September 26, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	14
AFE #:	11CMP014 Daily Cost: $89,836 Prev. Cost: $142,900	**Cummulative Cost:**	$232,736

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
6:50	Travel to location
7:30	Finish hooking up chemicals and cables
8:20	Have a safety meeting with all personnel on location.
8:35	Prime up and PT to 7,101 psi, dropped to 7,044 psi after 5 mins
9:06	Open WH, 0 psi, on vacuum, 51 bbls to load
	BD 2,084 psi at 61.8 bpm
	Pad 1,930 psi at 90.7 bpm
	0.5 ppg 1,800 psi at 90.8 bpm
	20/40 1,900 psi at 90.8 bpm
	16/30 1,800 psi at 89.4 bpm, increased to 2,200 psi at 91.5 bpm
	Peaked out at 5.5 ppg
9:25	ISIP 1,040 psi, FG 0.722 psi/ft
	5 min 625 psi, 10 min 473 psi, 15 min 315 psi
	Max 2,294 psi and 92 bpm, Avg 1,942 psi and 90.6 bpm
	RDMO Nabors frac crew, moving to NE-5-14-8
10:40	Checked well for pressure, on a vacuum
13:00	MIRU Acme to RD frac tree and move it to NE-5-14-8
14:15	Travel back to Price

Daily Cost Summary

Item	Amount
NABORS	$71,965
ProTechnics	$4,279
Seaboard - BOP	$785
RNI -Trucking	$2,340
Howa's - Potash	$9,017
PEMI	$1,310
RFR - tank rent	$140
Daily Cost:	$89,836

Personnel On Location:

Rig:	43
Service:	1
Gordon LLC	2
Total:	46

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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	October 3, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	16
AFE #:	11CMP014 Daily Cost: $3,420 Prev. Cost: $232,736	**Cummulative Cost:**	$236,156

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures:	**Tubing:**	0	**Casing:**	0	**SCV:**	0

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
9:30	moving to location
11:30	Arrive on location
12:00	spot in rig and equipment, move tubing trailer
12:30	pulled guide lines and set to rig up, windy and strong gust (blowing buckets and trash can across location along with hard hat)
16:00	waited on wind to die down, released crew,

Daily Cost Summary

Item	Amount
Rig	$1,720
Neilson	$1,200
SWS	$500
Daily Cost:	$3,420

Personnel On Location:

Rig:	4
Service:	2
Gordon LLC	1
Total:	7

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:	windy
Temp:	65
Lease:	Dusty
Roads:	Dusty
Rig Co:	Pro well ser
Rig #:	#5

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	October 4, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	16
AFE #:	11CMP014	Daily Cost: $21,695 Prev. Cost: $236,156	**Cummulative Cost:** $257,851

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

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

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** 0 **Casing:** 0 **SCV:** 0

24 Hour Summary: **RIH bailed out 80' of fill, TOOH and logged perfs with Scan log, RIH with prod.**

Operation at 0800 Hours: rigging up

Time	Detailed Description of Previous Days Operations
7:00	Travel to location
8:00	rig up
9:00	nipple down well head, nipple up bop, set up floor to Rih
9:30	talley sand pump, picked up and start in hole
12:00	tagged fill @ 3786', 80' of fill, bailed to 3866' +/-, 12' of jt 119
12:30	SD for 30 min. 4' of fill, bailed down
13:30	POOH standing back to empty cavity
	waiting on wire line truck
17:30	wire line truck arrived
18:30	Spot and rig up prep to run Protecnics logging tools
21:30	RIH to 3150', logged down @ 30' per minute, tagged bottom @ 3862'
	Logged up at 30 minutes per foot to 3150', pooh laid out tools
22:00	Swifn and SD

Daily Cost Summary

Item	Amount
Rig	$5,735
Benoit	$2,677
SWS	$1,000
RMWS	$3,331
Protectnics	$8,952
Daily Cost:	$21,695

Personnel On Location:

Rig:	4
Service:	1
Gordon LLC	1
Total:	6

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:	clear
Temp:	49
Lease:	ok
Roads:	ok
Rig Co:	Pro well Ser
Rig #:	#5

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	Gordon Creek SE-B-7-14-8	**Todays Date:**	October 5, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	17
AFE #:	11CMP014 Daily Cost: $4,005 Prev. Cost: $257,851	**Cummulative Cost:**	$261,856

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1	2.375	4.7	3725	3715
#2				

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

AM Pressures: **Tubing:** 0 **Casing:** 50 **SCV:** 0

24 Hour Summary: run production string and hung well off, rig down and move

Operation at 0800 Hours: RIH with production pipe

Time	Detailed Description of Previous Days Operations
7:00	Travel to location
7:30	Service rig, blew down CP (50#), prep to tih
8:00	RIH with, (Notched collar, 4' pup jt., 4' perf sub, SN 2 3/8"
9:00	windy, slow TIH, laid out 3 jts. landed tubing @ 3725' , 115 jts 2 3/8"
10:00	rack out pump and tank to be moved, rig down floor, prep to rig down
11:30	windy with hard gust, released crew and SD .
15:00	no activity
16:00	crew checked location for wind
17:00	rig down and move

Daily Cost Summary

Item	Amount
rig	$3,005
SWS	$1,000
Daily Cost:	$4,005

Personnel On Location:

Rig:	4
Service:	1
Gordon LLC	1
Total:	6

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:	windy
Temp:	60
Lease:	dusty
Roads:	dusty
Rig Co:	Pro well ser
Rig #:	#5

Contact Information:	
Supervisor:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

Gordon Creek, LLC.

THUNDERBIRD ENERGY

Well Completion/Workover Report

Well Name:	**Gordon Creek SE-B-7-14-8**	**Todays Date:**	October 14, 2012
Objective:	Fracture treat Ferron and place well on production	**Day #:**	18
AFE #:	**11CMP014** Daily Cost: **$2,000** Prev. Cost: **$261,856**	**Cummulative Cost:**	**$263,856**

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

Casing:	Size	Weight	Grade	Landed @
Surface:	8.625	24	J-55	715
Production:	5.5	17	N-80	3877
Inter/Liner:				

Rod String:	No. of	Size	Type

Tubing:	Size	Weight	Landed @	PSN Depth
#1	2.375	4.7	3725	3715
#2				

Pump Description:

Depths:	TD:	3880	PBTD:	3867	KOP:	TD (TVD):	
Elevations:	KB:	7364.1	GL:	7351.1	KB-GL:	13	**API #:** 4300731230

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

24 Hour Summary:

Operation at 0800 Hours:

Time	Detailed Description of Previous Days Operations
7:00	Travel from Price to location
8:00	Stand by waiting on roustabout crew to arrive with line pipe
11:30	Install choke and line pipe onto wellhead.
12:30	Tubing Pressure = 0 psi, Casing Pressure = 560 psi. Install 16/64" choke and open well and flow up tubing annulus.
13:00	Casing Pressure = 150 psi on 16/64" choke
13:30	Casing Pressure = 20 psi on 16/64" choke
14:00	Casing Pressure = 10 psi on 16/64" choke
14:30	Well dead. Shut well in, rig out lines and leave location

Daily Cost Summary

Item	Amount
SWS	$1,000
G3	$1,000
Daily Cost:	$2,000

Personnel On Location:	
Rig:	
Service:	
Gordon LLC	
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:	Bo Stinson
Cell #:	435-630-6344
Alt #:	435-637-8570
Report to:	Barry Brumwell
Fax to (#):	

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

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

43 007 50255
Gordon Creek St SE B-7-14-8
7 14S 8E

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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: 6/28/2015	☐ 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:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change BHP and Pumpjack a

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

The plan is to first remove the existing 228 pumpjack from the wellsite then tie the Surface Casing Vent into the surface production equipment to attempt to fully bled off the flow. Then move on a workover rig and unseat the insert BHP and POOH with the existing rods and tubing inspecting and replacing any damaged tubing. We would then do further investigation of the cause of the SCFV at this time and take steps necessary to repair it. Then move in and install a new 456 Pumpjack then rerun the tubing with a tubing pump on bottom and a tubing anchor 150' from bottom and set BHP at 3750' and anchor at 3600'. Then run new rods and latch onto the tubing pump install the polished rod and rig into pumpjack. We will then start the jack up at 7.5 SPM and bring the well back onto production.

Approved by the
Utah Division of
Oil, Gas and Mining
June 22, 2015
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations
SIGNATURE		**DATE**
N/A		6/9/2015

RECEIVED: Jun. 09, 2015

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 SE-B-7-14-8

2. NAME OF OPERATOR:
GORDON CREEK, LLC

9. API NUMBER:
43007502550000

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:
1353 FSL 0631 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE 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: 6/29/2015	☐ 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:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change BHP and PumpJack

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

The plan is to remove the existing 228 pumpjack from the well, then tie the Surface Casing Vent into the production separator to determine how serious the flow is that is coming from the Surface Casing Vent. We will then POOH with the existing rods and tubing, inspecting the tubing on the way OOH. We will then do additional investigation of the SCVF to determine if additional work is required to shut off the flow. Once that is completed, we will install a new 456 pumpjack, then RIH with a new 2.75" tubing pump on the bottom of the 2.375" tubing with a tubing anchor 150' off bottom and set the BHP at 3750" and the tubing anchor at 3600'. We will then run a mixed string of 0.875" and 0.750" rods, latch onto the tubing pump, then stroke up the pump to ensure operability before installing the polished rod and tying onto the pumpjack. The well will then be placed back on production.

Approved by the
Utah Division of
Oil, Gas and Mining
June 22, 2015
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Barry Brumwell	403 453-1608	Vice President-Operations
SIGNATURE		**DATE**
N/A		6/9/2015

RECEIVED: Jun. 09, 2015

BEATTY & WOZNIAK, P.C.

ATTORNEYS AT LAW

7440 CREEK ROAD, SUITE 250
SANDY, UTAH 84093
TELEPHONE (801) 566-8446
FACSIMILE (801) 566-8447
www.bweuergylaw.com

CASPER
CHEYENNE
DENVER
SALT LAKE CITY
SANTA FE

BRIAN A. TAYLOR

(801) 676-2307
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
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