

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> FEDERAL 6-4D-65
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> UNDESIGNATED
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>
<b>6. NAME OF OPERATOR</b> BERRY PETROLEUM COMPANY		<b>7. OPERATOR PHONE</b> 303 999-4044
<b>8. ADDRESS OF OPERATOR</b> 4000 South 4028 West Rt 2 Box 7735, Roosevelt, UT, 84066		<b>9. OPERATOR E-MAIL</b> kao@bry.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU77327	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1828 FNL 842 FWL	SWNW	4	6.0 S	5.0 W	U
Top of Uppermost Producing Zone	1950 FNL 1773 FWL	SENW	4	6.0 S	5.0 W	U
At Total Depth	1980 FNL 1980 FWL	SENW	4	6.0 S	5.0 W	U

<b>21. COUNTY</b> DUCHESNE	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 842	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 1906
<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 20	<b>26. PROPOSED DEPTH</b> MD: 5208 TVD: 5024	
<b>27. ELEVATION - GROUND LEVEL</b> 6779	<b>28. BOND NUMBER</b> UTB000035	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-11041

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 350	24.0	J-55 ST&C	9.5	Class G	225	1.15	15.8
Prod	7.875	5.5	0 - 5208	15.5	J-55 LT&C	9.5	Type V	180	3.82	11.0
							Class G	280	1.7	13.1

**ATTACHMENTS**

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Kathy K. Fieldsted	<b>TITLE</b> Sr. Regulatory & Permitting Tech.	<b>PHONE</b> 435 722-1325
<b>SIGNATURE</b>	<b>DATE</b> 05/23/2011	<b>EMAIL</b> kkf@bry.com

<b>API NUMBER ASSIGNED</b> 43013507830000	<b>APPROVAL</b>   Permit Manager
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SELF-CERTIFICATION STATEMENT

The following self -certification statement is provided per federal requirements dated May 7, 2007.

Please be advised that Berry Petroleum Company is considered to be the operator of the following well.

FEDERAL 6-4D-65

SW ¼, NW ¼, 1828' FNL 842' FWL, Sec. 4, T6S, R5W, U.S.B. &M.

BHL: SE ¼ NW ¼ 1980' FNL, 1980' FWL

Lease USA UTU-77327

Duchesne, County, Utah

Berry Petroleum Company is responsible under the terms of the lease for the operations conducted upon the lease lands.



Kathy K. Fieldsted

Sr. Regulatory & Permitting Tech.

Berry Petroleum Company

4000 South 4028 West

Route 2, Box 7735

Roosevelt, Utah 84066

435-722-1325

435-823-1920

BERRY PETROLEUM COMPANY  
 FEDERAL 6-4D-65  
 SW ¼, NW ¼, 1828' FNL 842' FWL, Sec. 4, T6S, R5W, U.S.B. &M.  
 BHL: SE ¼ NW ¼ 1980' FNL, 1980' FWL  
 Duchesne County, Utah

ONSHORE ORDER NO. 1

DRILLING PROGRAM

**1,2 Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b>FORMATION</b>	<b>DRILL DEPTH * @ SHL (TVD)</b>	<b>DRILL DEPTH * @ BHL (TVD)</b>	<b>Measured Depth</b>
Uinta	Surface	Surface	
Green River Fm	453'	470'	453'
Green River Upper Marker	1,013'	1,029'	1,018'
Mahogany	1,601'	1,619'	1,644'
Tgr3 Marker	2,603'	2,624'	2,728'
*Douglas Creek Mbr	3,360'	3,373'	3,534'
*Black Shale Mbr	3,949'	3,968'	4,138'
*Castle Peak Mbr	4,256'	4,277'	4,449'
Uteland Butte Mbr.	4,681'	4,697'	4,875'
Wasatch	4,914'	4,924'	5,108'
TD	5,014'	5,024'	5,208'
Base of Moderately Saline Water (less than 10,000 ppm)	4,263'	4,059'	

\*PROSPECTIVE PAY

**Berry is locating the well at the proposed surface location and directionally drilling to the proposed bottom hole location primarily because of severe topographical limitations. By drilling directionally, Berry Petroleum Company will improve field development efficiency by combining multiple surface well bore locations together. This will significantly reduce total surface disturbance plus combine the use of access roads and existing pipelines.**

**Furthermore, Berry hereby certifies that it is the sole working interest owner of all the surrounding 40 acre locations. The proposed well bore will at no point throughout the objective pay section (top Douglas Creek to top Wasatch) approach within 460' of any of the potential offsetting 40 acre well sites.**

Berry Petroleum Company  
Federal 6-4D-65

Drilling Program  
Duchesne County, Utah

**3 Proposed Casing and Cementing Program**

Purpose	Depth	Hole Size	Casing Size	Type	Connection	Weight
Surface	350'	12.25"	8.625"	J-55	ST&C or LT&C	24#
Production	5208'	7.875"	5.5"	J-55	LT&C	15.5#

Surface	Fill	Type & Amount
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0'-350'                      350'

Approximately 225 sks Class "G" (Type III) cement + additives or a similar slurry with a minimum weight of 15.8#/gal. and approximate yield of 1.15 cuft/sk, minimum 24 hr compressive strength = 500 psi (Cement will be circulated to surface and topped off, if necessary.)

Production	Type & Amount
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0' – 3500'

Lead: +/- 180 sks Premium Type V + additives or similar slurry with a minimum weight of 11.0 #/gal and approximate yield of 3.82 cuft/sx

3500' – 5208'

Tail: +/- 215 sks Premium Lite Tail + additives or similar slurry with a minimum weight of 13.1 #/gal and approximate yield of 1.70cuft/sk.

For production casing, actual cement volumes will be determined from the caliper log plus a minimum of 15% excess.

**4 Drilling Fluids Program**

Interval	Weight	Viscosity	Fluid Loss	Remarks
0'-350'	8.4-9.5	27	NC	DAP Mud
350'-5208'	8.4-9.5	27	NC	DAP Water

**5 Pressure Control Equipment : (Schematic Attached)**

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. A 2M system will be utilized. The attached diagram depicts the use of an annular in conjunction with double rams. However, an annular, double rams or both may be used depending on the drilling rig contracted. Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to representative upon request.

Mud volumes will be monitored visually.  
Upper and Lower Kelly cocks will be utilized.  
A gas buster will be utilized, if necessary.

Berry Petroleum Company  
Federal 6-4D-65

Drilling Program  
Duchesne County, Utah

Depth Intervals

BOP Equipment

0 – 350'

No Pressure Control

350' – 5208'

11" 2000# Ram Type BOP  
11" 2000# Annular BOP

**6 Evaluation Program**

Logging Program:	HRI-GR-SP with SDL-DSN-PE; surface casing to TD. Preserve samples from all show intervals.
Sampling:	10' dry cut samples: Douglas Creek to TD. Preserve samples From all show intervals.
Surveys:	As deemed necessary
Mud Logger:	As deemed necessary
Drill Stem Tests:	As deemed necessary
Cores:	As deemed necessary

**7 Abnormal Conditions**

No abnormal temperatures or pressures or other hazards are anticipated.

Shallow gas and/or water flows are possible below surface casing.

Maximum anticipated bottom hole pressure equals approximately 2462 psi\* and maximum anticipated surface pressure equals approximately 1357\*\*psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TVD = A (bottom hole pressure)

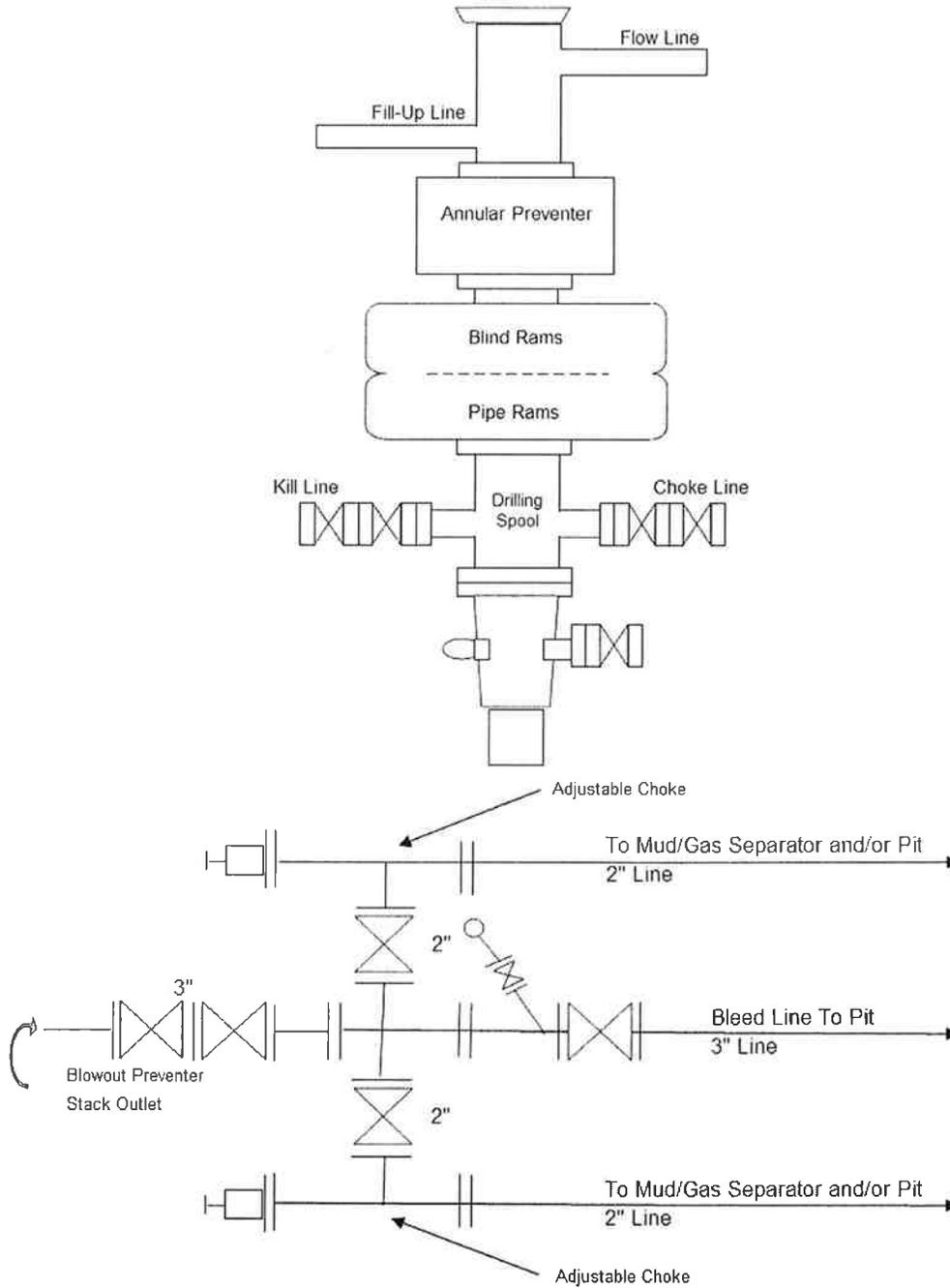
\*\*Maximum surface pressure = A – (0.22xTVD)

**8 Anticipated Starting Dates and Notification of Operations**

Drilling Activity:

Anticipated Commencement Date:	Upon approval of the APD.
Drilling Days:	Approximately 6 days.
Completion Days:	Approximately 7 days.

SCHMATIC DIAGRAM OF 2,000 PSI BOP STACK





**Berry Petroleum**  
**Brundage Project**  
**8 5/8 Surface Casing**  
**Well Name: Federal 6-4D-65**

T.D.	350 ft
Hole Size	12 ¼ in
Casing Size	8 5/8 in
Casing Weight	24 #
Cement Coverage	350 ft to surface
Cement Excess	50 %

<b>Premium Class G Cmt</b>	<b>225 sks</b>	<b>15.8#/gal</b>	<b>1.15 cuft/sk</b>	<b>5.0 gal/sk</b>
Premium G Cmt	100 % (BWOC)			
Calcium Chloride	2 % (BWOC)			
Flocele	¼ # /sk			

Total mix water (cement only)	27 bbl (1125gal)
Water ahead	10bbl
Gel sweep	20 bbl
225 sks Cement	46.1 bbl
Drop Top Plug	
Displacement	19.5 bbl



**Berry Petroleum**  
**Brundage Project**  
**5 1/2 Production Casing**  
**Well Name: Federal 6-4D-65**  
**With loss of circulation**

T.D.	5208 ft
Hole Size	7 7/8 in
Casing Size	5 1/2 in
Casing Weight	15.50 lb/ ft
Tail Cement Coverage	5208 ft to 3500 ft
Tail Cement Excess	15 %
Lead Cement Coverage	3500 ft to surface
Lead Cement Excess	15 %

**Hifill Lead Cmt 180sks 11.0 #/gal 3.82 cuft/sk 23.0 gal/sk**

Premium Type V Cmt	100 % (BWOC)
Gel	16 % (BWOC)
Gilsonite	10 #/sk
GR 3	3 #/sk
Salt	3 % (BWOC)
Flocele	1/4 # /sk

**Premium Lite Tail 215sks 13.1#/gal 1.70cuft/sk 7.7gal/sk**

Premium Class G Cmt	65 % (BWOC)
Poz	35 % (BWOP)
Gel	6% (BWOC)
Gilsonite	10# /sk
CDI 33	.2 % (BWOC)
CFL 175	.2% (BWOC)
Flocele	1/4 # /sk
Salt	10 % (BWOW)

Total Mix Water (Cement Only)	5796 gallons
Water ahead	10 bbls
Mud Flush	20 bbls
Water Spacer	10 bbls
Lead Cement	122.5 bbls(11.0 ppg)
Tail Cement(With loss Circulation)	65.0 bbls(13.1 ppg)
Wash Pump and Lines and Drop Top Plug	
Displacemnet (KCL)	122.8 bbls



**Berry Petroleum**  
**Brundage Project**  
**5 1/2 Production Casing**  
**Well Name: Federal 6-4D-65**

**No loss of circulation**

T.D.	5208 ft
Hole Size	7 7/8 in
Casing Size	5 1/2 in
Casing Weight	15.50 lb/ ft
Tail Cement Coverage	5352 ft to 3500 ft
Tail Cement Excess	15 %
Lead Cement Coverage	3500 ft to surface
Lead Cement Excess	15 %

**Hifill Lead Cmt 180 sks 11.0#/gal 3.82 cuft/sk 23.0 gal/sk**

Premium type V cmt	100 % (BWOC)
Gel	16 % (BWOC)
Gilsonite	10 #/sk
GR 3	3 #/sk
Salt	3 % (BWOC)
Flocele	1/4 #/sk

**50/50 Poz Tail Cmt 280sks 14.2 #/gal 1.26cuft/sk 5.75 gal/sk**

Premium Class G Cmt	50 % (BWOC)
Poz	50 % (BWOP)
Gel	2 % (BWOC)
Salt	10 % (BWOW)
CDI 33	.2 % (BWOC)
CFL 175	.2 % (BWOC)
Flocele	1/4 # /sk

Total Mix Water (Cement Only)	5750 gal
Water ahead	10 bbl
Mud Flush	20 bbl
Water Spacer	10 bbl
Lead Cement	122.5 bbl (11.0 ppg)
Tail Cement	67.3bbl (14.2 ppg)
Wash Pump and Lines Drop Top Plug Displacement (KCl)	122.8bbl

BERRY PETROLEUM COMPANY  
FEDERAL 6-4D-65  
SW ¼, NW ¼, 1828' FNL 842' FWL, Sec. 4, T6S, R5W, U.S.B. &M.  
BHL: SE ¼ NW ¼ 1980' FNL, 1980' FWL  
Duchesne County, Utah

ONSHORE ORDER NO. 1

MULTI POINT SURFACE USE & OPERATIONS PLAN

**1 Existing Roads**

To reach the Berry Petroleum Company well, Federal 6-4D-65 located, in Sec.4 T6S-R5W:

Start in Duchesne, Utah. Proceed east on US Highway 40, 10.1 miles to the Antelope Creek/Sowers Canyon Road at the Bridgeland turnoff. Turn south and proceed 6.3 miles on the Brundage Canyon Road. Turn west on the Sowers Canyon road and go about 7.4 miles, then turn southwest and proceed 5.8 miles to the existing 5-4-65 location from which the Federal 6-4D-65 will be drilled.

The existing oilfield service road may need some surface material to prevent or repair holes in the road due to heavy truck traffic during the drilling and completion operation. If repairs are made the operator will secure material from private sources.

Please see the attached map for additional details.

**2 Planned Access Road**

See Topographic Map "B" for the location of the proposed access road.

On National Forest Service (NFS) lands, access roads will conform to standards outlined in the BLM and Forest Service publication, *Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development* "Gold Book" 4<sup>th</sup> Edition, 2006.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

New access roads will be crowned (2 to 3%), ditched, and constructed with a running surface of 22 feet and a maximum disturbed width of 35 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and shall be allowed to dry completely.

The disturbed width needed may be wider than 35 feet to accommodate larger equipment where deep cuts are required for road construction; intersections or sharp curves occur; or, as proposed by the operator. Approval will be required from the Forest Supervisor, Vernal, Utah (FS).

Appropriate water control structures will be installed to control erosion.

Unless otherwise specified, the following specifications will apply:

The road grade in the Project Area will be 10% or less, wherever possible. The 10% grade would only be exceeded in areas where physical terrain or unusual circumstances require it. Turn-out areas will not be constructed unless they were deemed necessary for safety reasons.

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Federal 6-4D-65

Multi Point Surface Use & Operations Plan  
Duchesne County, Utah

There will be no major cuts and fills, culverts, or bridges. If it becomes necessary to install a culvert at some time after approval of the APD, the operator will submit a Sundry Notice requesting approval of the USFS Authorized Officer.

The access road will be centerline flagged during time of staking.

There will be no gates, cattle guards, fence cuts, or modifications to existing facilities without prior consent of the FS.

Surfacing material may be necessary, depending upon weather conditions.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. Best efforts will be made such that all drainage ditches and culverts will be kept clear and free flowing and will be maintained according to the original construction standards. The access road ROW will be kept free of trash during operations. All traffic will be confined to the approved running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing, nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided. When snow is removed from the road during the winter months, the snow should be pushed outside the borrow ditches, and the cutouts kept clear so that snowmelt will be channeled away from the road.

### **3 Location of Existing Wells**

See Topographic Map "C" for the location of existing wells within a 1mile radius.

### **4 Location of Tank Batteries, Production Facilities and Production Gathering and Service Lines**

All permanent (on site for six months or longer) structures constructed or installed will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, and hold 150% of the capacity of the largest tank. The use of topsoil for the construction of dikes will not be allowed. A Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded with the BLM/VFO Authorized Officer's approval to meet SPCC requirements.

A description of the proposed pipeline and a map illustrating the proposed route is attached.

All site security guidelines identified in Federal regulation 43 CFR 3126.7, will be adhered to. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease production will have prior written approval from the Authorized Agency Officer.

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Multi Point Surface Use & Operations Plan  
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Gas meter runs will be located approximately 100 feet from the wellhead. Where necessary, the gas line will be anchored down from the wellhead to the meter.

**5 Location and Type of Water Supply**

Water for the drilling and completion will be pumped or trucked from the Berry source wells located in Sec. 23, T5S, R5W or Sec. 24, T5S, R5W, permit # 43-11041, or from Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W or from East Duchesne Water, Arcadia Feedlot, Sec. 28, T3S, R3W or Myton (Moon) Pit, SE/NE Sec. 27, T3S, R2W or from Petroglyph Operating Company 08-04 Waterplant, Sec. 8, T5S, R3W or from Kenneth V. & Barbara U. Richens source well located in Sec. 34, T3S, R2W, permit # 43-1723 or Brundage Canyon Field produced water or Leo Foy source well located in Sec. 34, T5S, R5W, permit # 43-11324.

**6 Source of Construction Materials**

All construction materials for this location site and access road shall be borrow material accumulated during construction of the location site and access road.

Additional gravel or pit lining material will be obtained from a private source.

The use of materials under Authorized Agency jurisdiction will conform with 43 CFR 3610.2-3.

**7 Methods of Handling Waste Materials**

Drill fluids will be contained in a closed loop system. Cuttings will be contained on site and buried in a pit or used on location or access roads whichever is deemed appropriate by the authorized agency.

After first production, produced wastewater will be trucked to one of the following approved waste water disposal sites: R.N. Industries, Inc. Sec. 4, T2S, R2W, Bluebell; MC & MC Disposal Sec. 12, T6S, R19E, Vernal; LaPoint Recycle & Storage Sec. 12, T5S, R19E, LaPoint or Water Disposal Inc. Sec. 32, T1S, R1W, Roosevelt, used in the operations of the field or, unless prohibited by the Authorized Officer, disposed of to the approved pit for a period not to exceed 90 days. The use of such pit is hereby approved as part of this Application for Permit to Drill.

All production fluids will be disposed of at approved disposal sites. Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The indiscriminate dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical portable toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location promptly after removal of the completion rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

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No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas.

**8 Ancillary Facilities**

There are no ancillary facilities planned for at this time and none are foreseen in the future.

**9 Well site Layout**

The attached Location Layout diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s).

The diagram describes rig orientation, parking areas, and access roads as well as the location of the following:

The stockpiled topsoil which shall not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with the topsoil.

The flare pit, which will be located downwind from the prevailing wind direction.

The access road.

All pits will be fenced according to the following minimum standards:

39-inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.

Standard steel posts shall be used between the corner braces, between the corner posts. Distance between any two posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to the corner posts.

**10 Plans for Restoration of the Surface**

The dirt contractor will be provided with approved copies of the Surface Use Plan and these Standard Operating Procedures prior to construction activities.

Upon well completion, within 30 days the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

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On lands administered by the Forest Service, abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

Prior to the construction of the location, the top 12 inches of soil material (if present) will be stripped and stockpiled. Placement of the topsoil will be noted on the location plat attached to the site specific APD. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeded, all disturbed areas, including the old access road, will be scarified and left with a rough surface.

The Authorized Officer or the appropriate surface management agency shall be contacted for the required seed mixture. Seed will be broadcast and the amount of seed mixture per acre will be doubled. The seeded area will then be "walked" with a dozer to assure coverage of the seeds. The seed mixture will reflect the recommendation from the Archeology study done on the site specific APD.

At final abandonment, all casing shall be cut off at the base of the cellar or 3 feet below final restored ground level, whichever is deeper, and cap the casing with a metal plate a minimum of 0.25 inches thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap also will be constructed with a weep hole.

**11 Surface Ownership**

**United States Forest Service**

**12 Other information**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities. A list of noxious weeds may be obtained from the Forest Service, BLM, or the appropriate County Extension Office. On NFS administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides or other pesticides or possibly hazardous chemicals.

Drilling rigs and/or equipment used during drilling operations on this location will not be stacked or stored on National Forest Service-administered lands after the conclusion of drilling operations or at any other time without authorization by the NFS. If authorization is obtained, such storage is only a temporary measure.

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Multi Point Surface Use & Operations Plan  
Duchesne County, Utah

Travel is restricted only to approved travel routes.

Unless previously conducted, a class III archaeological survey will be conducted on all Forest Service lands. All personnel will refrain from collecting artifacts and from disturbing any significant cultural resources in the area. The operator is responsible for informing all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in the archaeological report, and to the existing roadways and/or evaluated access routes. If historic or archaeological materials are uncovered during construction, the Operator is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

Within five working days, the Authorized Officer will inform the operator as to:

Whether the materials appear eligible for the National Historic Register of Historic Places;

The mitigation measures the operator will likely have to undertake before the site can be used (assuming in-situ preservation is not necessary); and,

The time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that the mitigation measures are appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer and/or the surface owner will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise the operator will be responsible for mitigation costs. The Authorized Officer and/or the surface owner will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the Operator will then be allowed to resume construction.

On surface administered by the NFS, all surface use will be conducted in accordance with the STIPULATION FOR LANDS OF THE NATIONAL FOREST SYSTEM UNDER JURISDICTION OF THE DEPARTMENT OF AGRICULTURE, including:

If the surface is owned by another entity (FEE OWNER) and the mineral rights are owned by the BLM, a right-of-way will be obtained from the other entity.

Operator's employees, including subcontractors, will not gather firewood along roads constructed by the operator.

All roads constructed by the operator will have appropriate signs. Signs will be neat and of sound construction. The sign will state: (a) that the land is located within the Ashley National Forest boundary (b) the name of the Operator, (c) that firearms are prohibited, (d) only authorized personnel are permitted.

All well site locations will have appropriate signs indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter/quarter section; the section, township, and range).

Berry Petroleum Company  
Federal 6-4D-65

Multi Point Surface Use & Operations Plan  
Duchesne County, Utah

**13 Operator's Representative and Certification**

A) Representative

NAME: Kathy K. Fieldsted  
Sr. Regulatory & Permitting Tech.

ADDRESS: Berry Petroleum Company  
4000 South 4028 West  
Rt. 2 Box 7735  
Roosevelt, UT 84066

PHONE: 435-722-1325 or 435-823-1920

E-MAIL: kkf@bry.com

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders and any applicable Notice to Lessees.

The operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" and the Standard Operating Procedures will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

The drilling permit will be valid for a period of two years from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) 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 and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Berry Petroleum Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

5/20/2011  
DATE

  
Kathy K. Fieldsted  
Sr. Regulatory & Permitting Tech.  
Berry Petroleum Company

# BERRY PETROLEUM COMPANY

WELL PAD INTERFERENCE PLAT  
**FEDERAL 3-4D-65, FEDERAL 4-4D-65,  
 FEDERAL 6-4D-65 & FEDERAL 12-4D-65 (Proposed Wells)  
 FEDERAL 5-4-65 (Existing Well)**

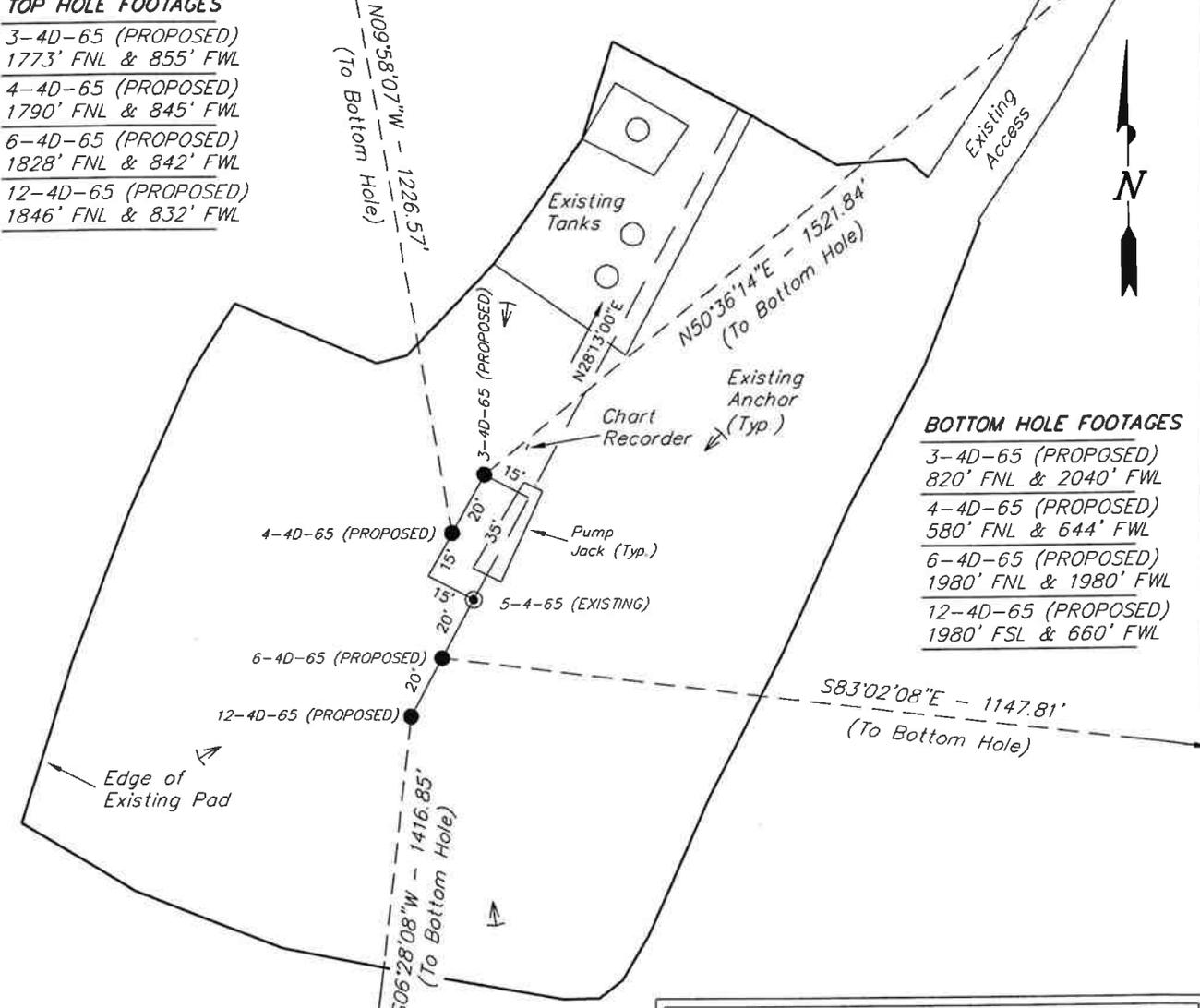
Pad Location: SWNW Section 4, T6S, R5W, U.S.B.&M.

**TOP HOLE FOOTAGES**

3-4D-65 (PROPOSED)  
 1773' FNL & 855' FWL  
 4-4D-65 (PROPOSED)  
 1790' FNL & 845' FWL  
 6-4D-65 (PROPOSED)  
 1828' FNL & 842' FWL  
 12-4D-65 (PROPOSED)  
 1846' FNL & 832' FWL

**BOTTOM HOLE FOOTAGES**

3-4D-65 (PROPOSED)  
 820' FNL & 2040' FWL  
 4-4D-65 (PROPOSED)  
 580' FNL & 644' FWL  
 6-4D-65 (PROPOSED)  
 1980' FNL & 1980' FWL  
 12-4D-65 (PROPOSED)  
 1980' FSL & 660' FWL



**RELATIVE COORDINATES**  
 From top hole to bottom hole

WELL	NORTH	EAST
3-4D-65	966'	1176'
4-4D-65	1208'	-212'
6-4D-65	-139'	1139'
12-4D-65	-1407'	-160'

**LATITUDE & LONGITUDE**  
 Surface position of Wells (NAD 27)

WELL	LATITUDE	LONGITUDE
3-4D-65	39.991185°	110.458265°
4-4D-65	39.991138°	110.458302°
6-4D-65	39.991032°	110.458315°
12-4D-65	39.990985°	110.458352°
Ex. 5-4-65	39.991080°	110.458279°

SURVEYED BY: S.H.      DATE SURVEYED: 04-07-11  
 DRAWN BY: L.C.S.      DATE DRAWN: 04-19-11  
 SCALE: 1" = 50'      REVISED: L.C.S. 04-27-11

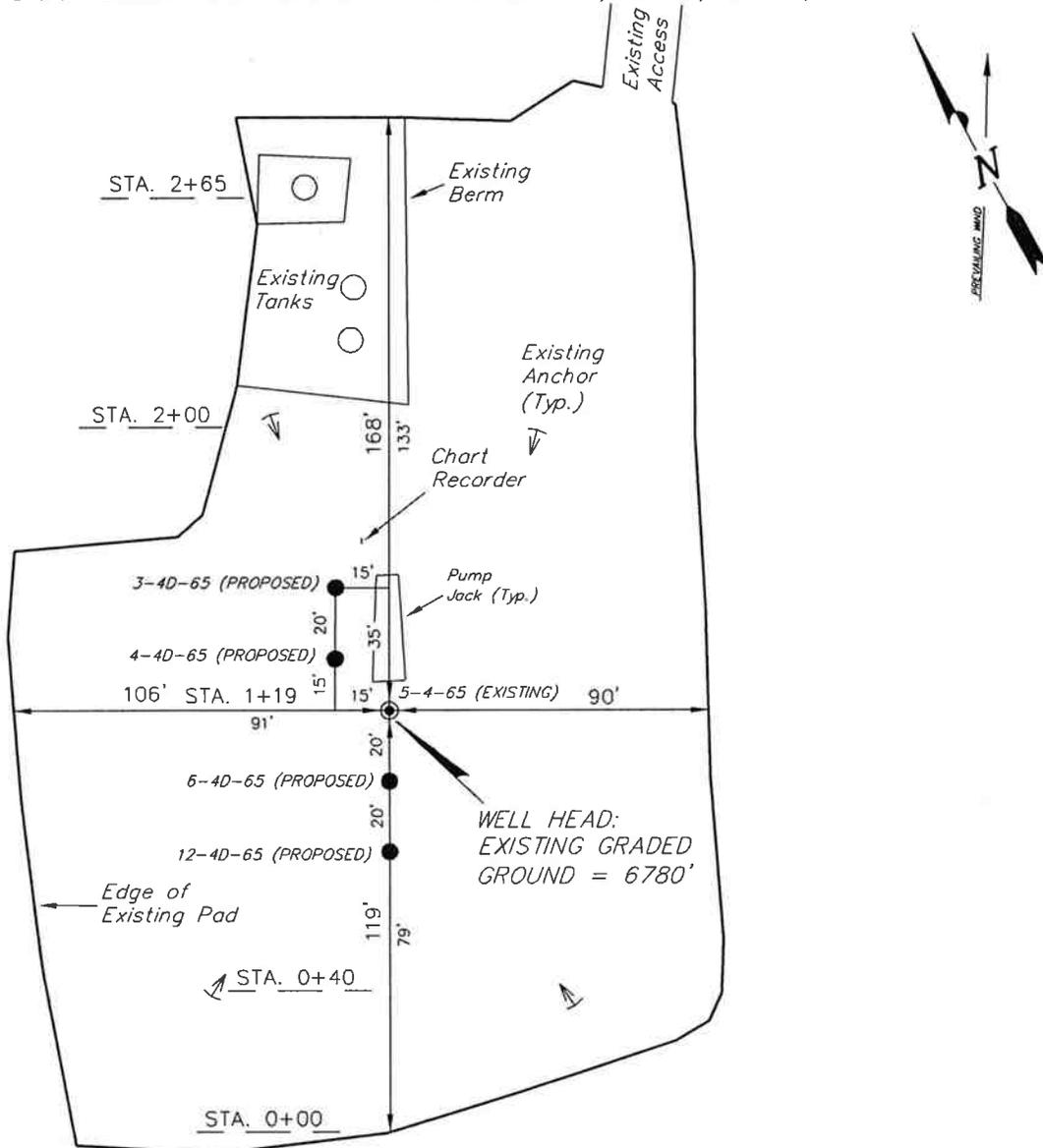
**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# BERRY PETROLEUM COMPANY

## LOCATION LAYOUT

**FEDERAL 3-4D-65, FEDERAL 4-4D-65,  
FEDERAL 6-4D-65 & FEDERAL 12-4D-65 (Proposed Wells)  
FEDERAL 5-4-65 (Existing Well)**

Pad Location: SWNW Section 4, T6S, R5W, U.S.B.&M.



SURVEYED BY: S.H.	DATE SURVEYED: 04-07-11
DRAWN BY: L.C.S.	DATE DRAWN: 04-19-11
SCALE: 1" = 50'	REVISED:

(435) 781-2501

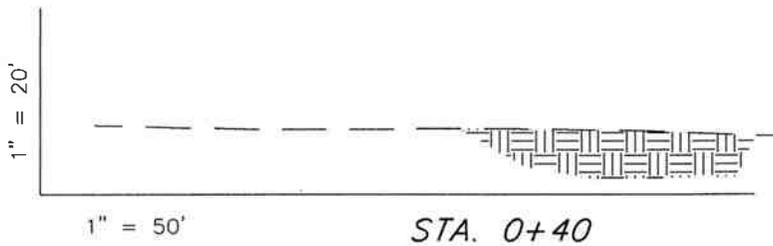
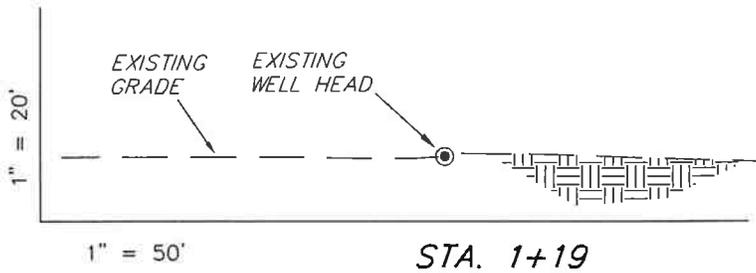
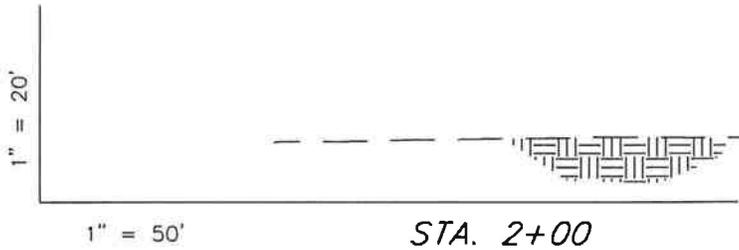
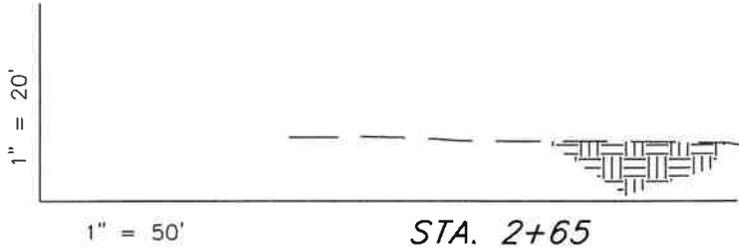
**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

# BERRY PETROLEUM COMPANY

## CROSS SECTIONS

**FEDERAL 3-4D-65, FEDERAL 4-4D-65,  
FEDERAL 6-4D-65 & FEDERAL 12-4D-65 (Proposed Wells)  
FEDERAL 5-4-65 (Existing Well)**

*Pad Location: SWNW Section 4, T6S, R5W, U.S.B.&M.*



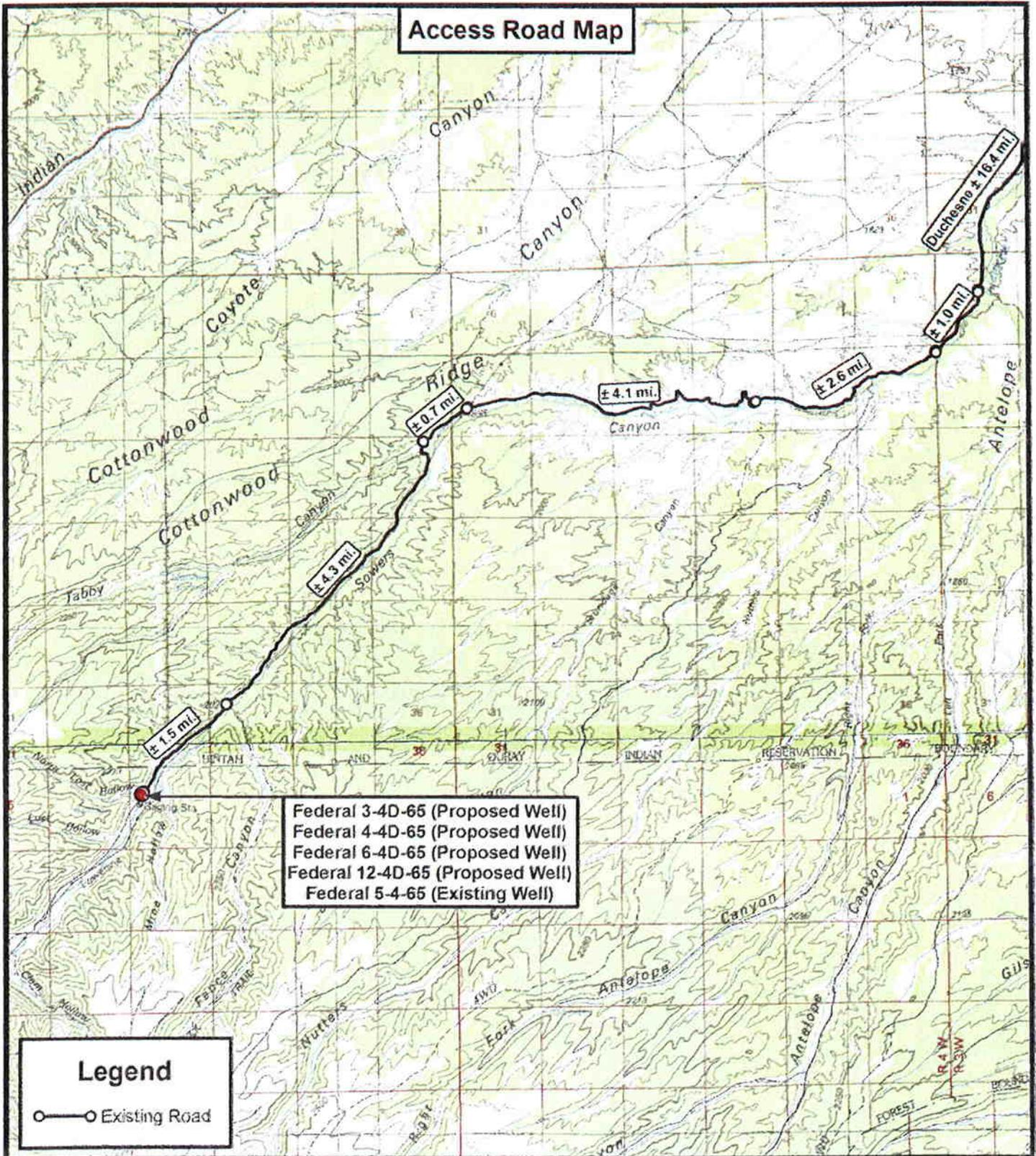
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DRAWN BY: L.C.S.	DATE DRAWN: 04-19-11	
SCALE: 1" = 50'	REVISED:	

**Tri State**  
Land Surveying, Inc.

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

(435) 781-2501





Federal 3-4D-65 (Proposed Well)  
 Federal 4-4D-65 (Proposed Well)  
 Federal 6-4D-65 (Proposed Well)  
 Federal 12-4D-65 (Proposed Well)  
 Federal 5-4-65 (Existing Well)

**Legend**

○—○ Existing Road

**Tri State Land Surveying, Inc.**  
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 F: (435) 781-2518

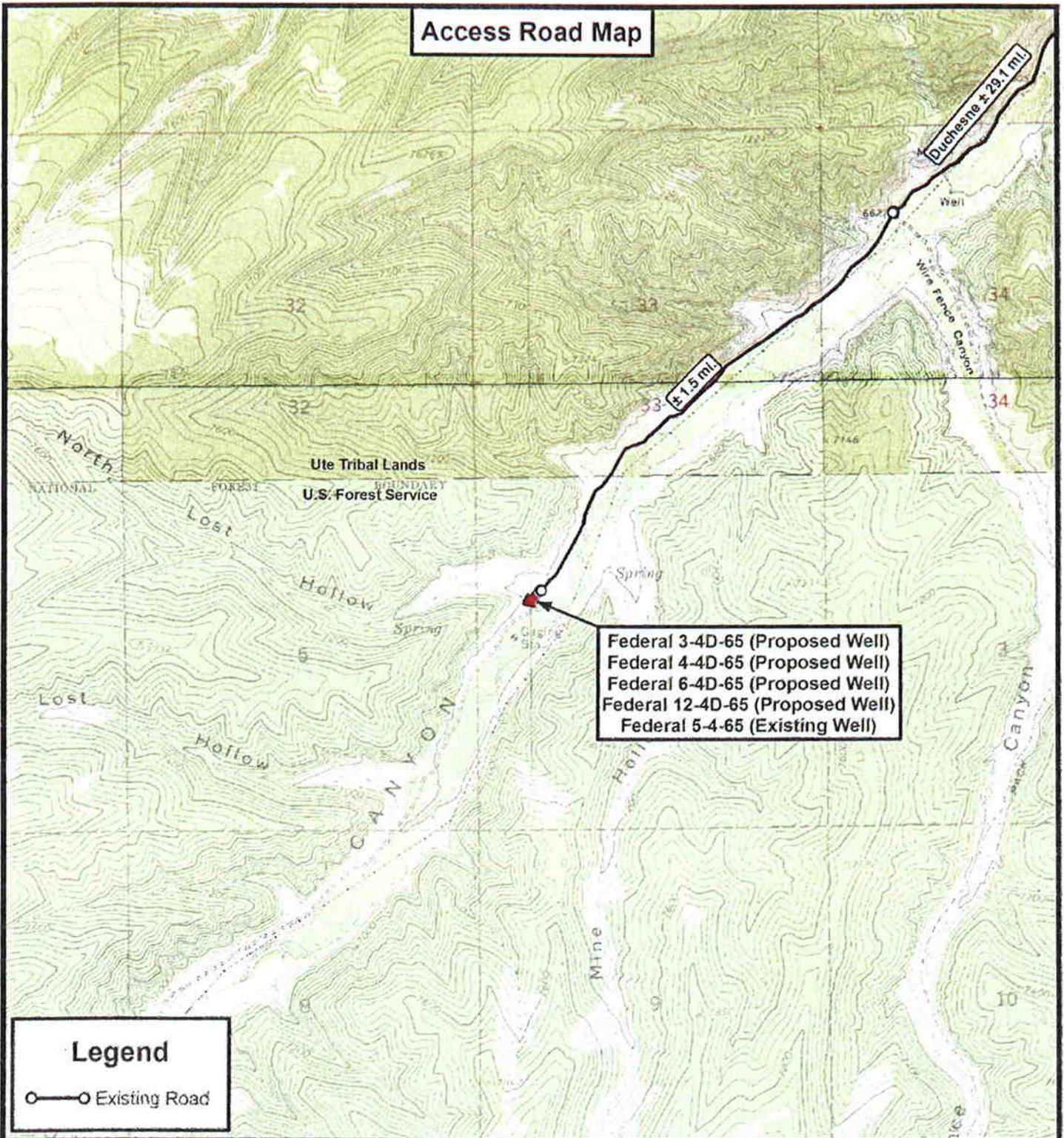
DRAWN BY:	J.A.S.
DATE:	04-21-2011
SCALE:	1:100,000



**BERRY PETROLEUM COMPANY**  
 FEDERAL 3-4D-65, 4-4D-65,  
 6-4D-65, 12-4D-65 (Proposed Wells)  
 FEDERAL 5-4-65 (Existing Well)  
 SEC. 4, T6S, R5W, U.S.B.&M. Duchesne County, UT.

**TOPOGRAPHIC MAP**

SHEET **A**



Federal 3-4D-65 (Proposed Well)  
 Federal 4-4D-65 (Proposed Well)  
 Federal 6-4D-65 (Proposed Well)  
 Federal 12-4D-65 (Proposed Well)  
 Federal 5-4-65 (Existing Well)

**Legend**  
 ○— Existing Road

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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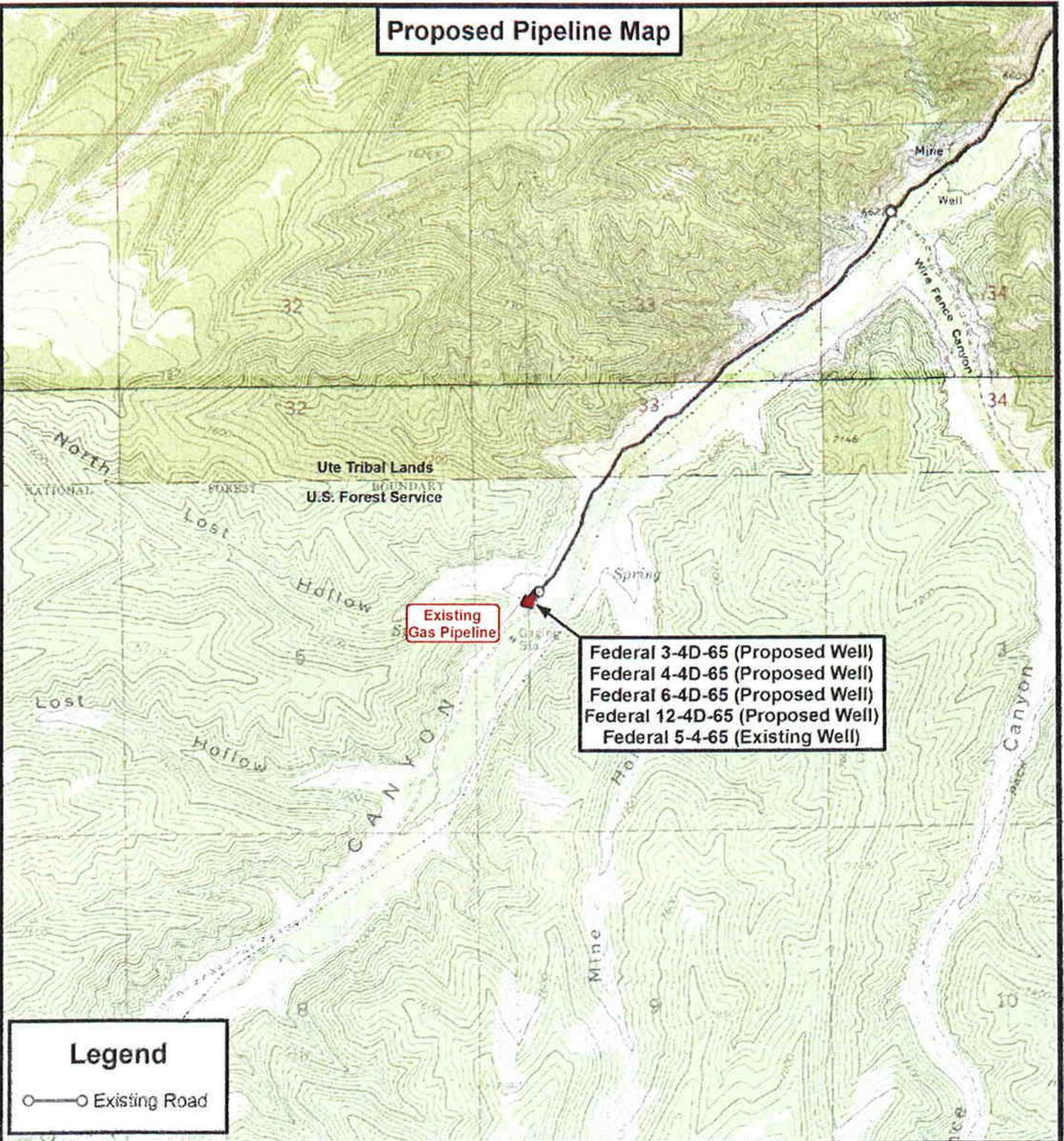
DRAWN BY:	J.A.S.
DATE:	04-21-2011
SCALE:	1" = 2,000'



**BERRY PETROLEUM COMPANY**  
 FEDERAL 3-4D-65, 4-4D-65,  
 6-4D-65, 12-4D-65 (Proposed Wells)  
 FEDERAL 5-4-65 (Existing Well)  
 SEC. 4, T6S, R5W, U.S.B.&M. Duchesne County, UT.

<b>TOPOGRAPHIC MAP</b>	SHEET <b>B</b>
------------------------	-------------------

**Proposed Pipeline Map**



**Legend**

○—○ Existing Road

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 F: (435) 781-2518



**BERRY PETROLEUM COMPANY**  
 FEDERAL 3-4D-65, 4-4D-65,  
 6-4D-65, 12-4D-65 (Proposed Wells)  
 FEDERAL 5-4-65 (Existing Well)  
 SEC. 4, T6S, R5W, U.S.B.&M. Duchesne County, UT.

DRAWN BY:	J.A.S.
DATE:	04-21-2011
SCALE:	1" = 2,000'

**TOPOGRAPHIC MAP**

SHEET  
**C**

**Location  
Photos**

**Center Stake  
Looking Southeasterly**

Date Photographed: 04/07/2011

Photographed By : S. Hawk



**Access  
Looking Southwesterly**

Date Photographed: 04/07/2011

Photographed By : S. Hawk



**Tri State  
Land Surveying, Inc.**  
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**BERRY PETROLEUM COMPANY**

FEDERAL 3-4D-65, 4-4D-65,  
6-4D-65, 12-4D-65 (Proposed Wells)  
FEDERAL 5-4-65 (Existing Well)  
SEC. 4, T6S, R5W, U.S.B.&M. Duchesne County, UT.

DRAWN BY: J.A.S.  
DATE: 04-21-2011

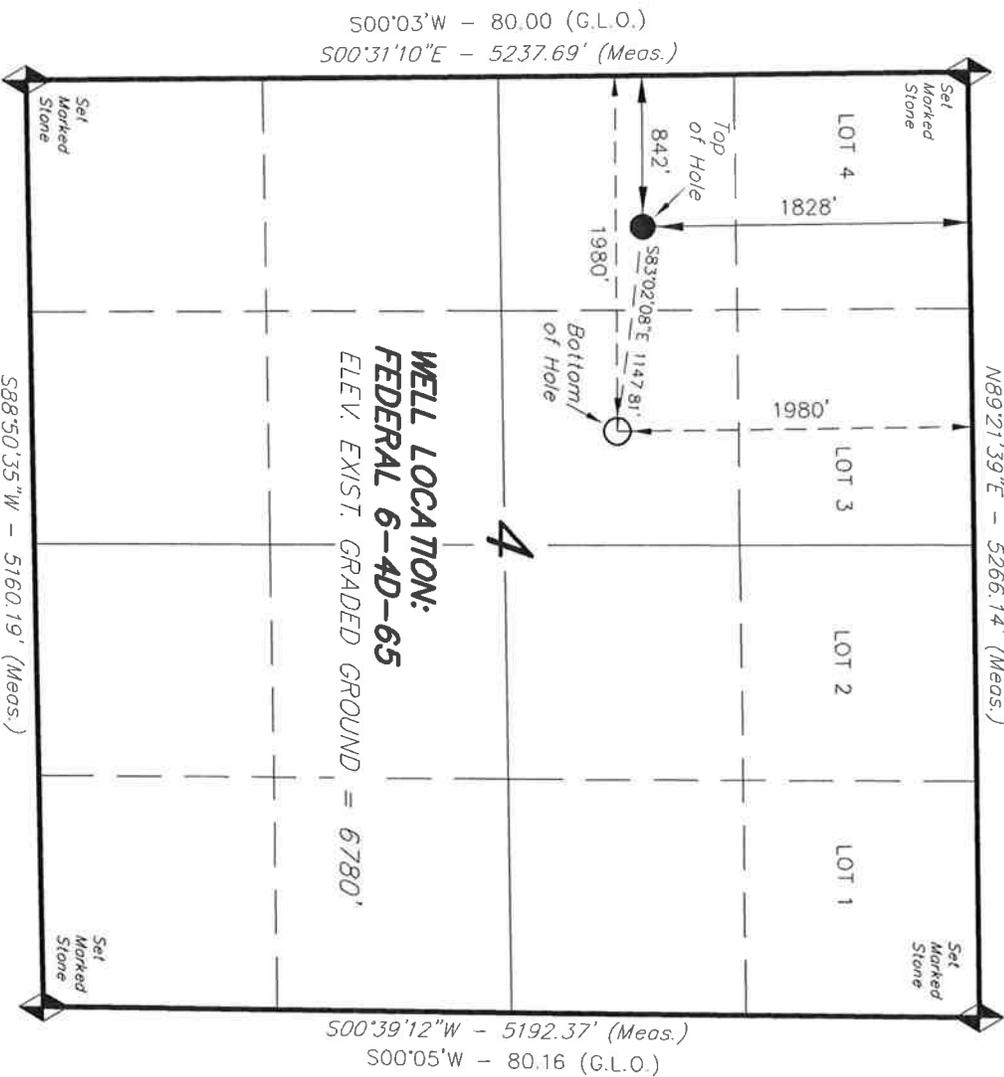
**COLOR PHOTOGRAPHS**

SHEET  
**P**

# T6S, R5W, U.S.B.&M.

## BERRY PETROLEUM COMPANY

589.58'E - (G.L.O.)  
N89°21'39"E - 5266.14' (Meas.)



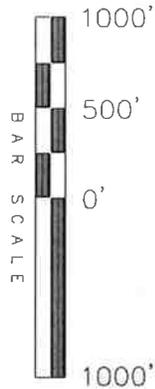
**WELL LOCATION:  
FEDERAL 6-4D-65**  
ELEV. EXIST. GRADED GROUND = 6780'

◆ = SECTION CORNERS LOCATED  
BASIS OF ELEV.: Elevations are based on a bench mark located in the SW 1/4 of Section 9, T5S, R4W, U.S.B.&M. Elev. 6097'

588°50'35"W - 5160.19' (Meas.)  
N89°51'W - 80.04 (G.L.O.)

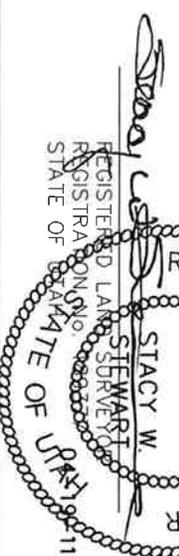
500°39'12"W - 5192.37' (Meas.)  
500°05'W - 80.16 (G.L.O.)

<b>NAD 83 (SURFACE LOCATION)</b>
LATITUDE = 39°59'27.58" (39.9900994)
LONGITUDE = 110°27'32.49" (110.459025)
<b>NAD 27 (SURFACE LOCATION)</b>
LATITUDE = 39°59'27.72" (39.991032)
LONGITUDE = 110°27'29.94" (110.458315)
<b>NAD 83 (BOTTOM HOLE LOCATION)</b>
LATITUDE = 39°59'26.08" (39.990578)
LONGITUDE = 110°27'17.88" (110.454967)
<b>NAD 27 (BOTTOM HOLE LOCATION)</b>
LATITUDE = 39°59'26.22" (39.990616)
LONGITUDE = 110°27'15.33" (110.454257)



**Note:**  
1. Bearings are based on global positioning satellite observations.  
2. Footages are measured at right angles to the section lines.

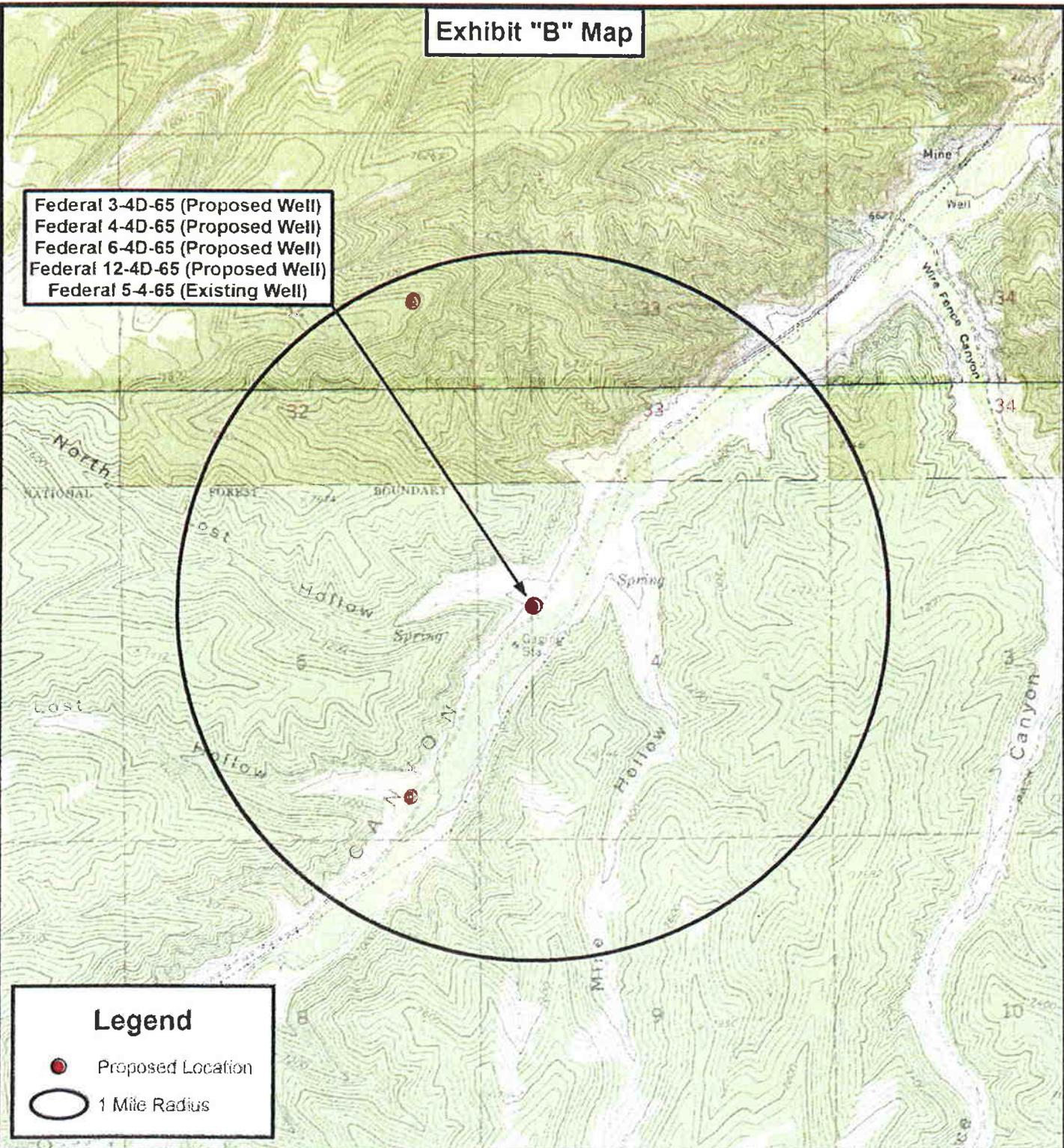
THIS IS TO CERTIFY THAT THE ABOVE FIELD WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
DATE: APR 19 2011  
BY: STACY W. STEWART  
REGISTERED LAND SURVEYOR  
STATE OF UTAH



<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078	
(435) 781-2501	
DATE SURVEYED: 04-07-11	SURVEYED BY: S.H.
DATE DRAWN: 04-19-11	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'

**Exhibit "B" Map**

- Federal 3-4D-65 (Proposed Well)
- Federal 4-4D-65 (Proposed Well)
- Federal 6-4D-65 (Proposed Well)
- Federal 12-4D-65 (Proposed Well)
- Federal 5-4-65 (Existing Well)



**Legend**

- Proposed Location
- 1 Mile Radius

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**Tri State  
Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 761-2501  
F: (435) 761-2518

DRAWN BY:	J.A.S.
DATE:	04-21-2011
SCALE:	1" = 2,000'



**BERRY PETROLEUM COMPANY**

FEDERAL 3-4D-65, 4-4D-65,  
6-4D-65, 12-4D-65 (Proposed Wells)  
FEDERAL 5-4-65 (Existing Well)  
SEC. 4, T6S, R5W, U.S.B.&M. Duchesne County, UT.

<b>TOPOGRAPHIC MAP</b>	SHEET <b>D</b>
------------------------	-------------------

# Well Planning Proposal FOR

**Berry Petroleum Co.  
Federal 6-4D-65  
Duchesne Co., UT**

Well File: Design #1 (4/26/11)

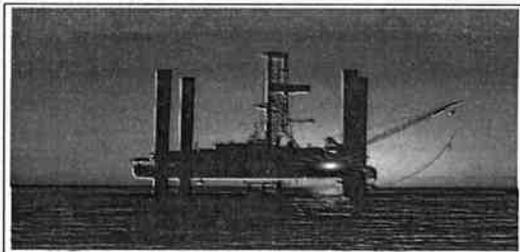
Presented By:

---

Pat Rasmussen  
Regional Manager

---

Bret Wolford  
Well Planner





Project: Duchesne Co., UT (UT27C)  
 Site: Sec. 4-T6S-R5W  
 Well: Federal 6-4D-65  
 Wellbore: Wellbore #1  
 Design: Design #1  
 Latitude: 39° 59' 27.715 N  
 Longitude: 110° 27' 29.934 W  
 Ground Level: 6779.00  
 WELL @ 6793.00usft



PROJECT DETAILS: Duchesne Co., UT (UT27C)

Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Utah Central 4302  
 System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Federal 6-4D-65, True North  
 Vertical (TVD) Reference: WELL @ 6793.00usft  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 6793.00usft  
 Calculation Method: Minimum Curvature

WELL DETAILS: Federal 6-4D-65

+N/-S	+E/-W	Northing	Ground Level: 6779.00	Latitude	Longitude	Slot
0.00	0.00	605478.218	2291852.398	39° 59' 27.715 N	110° 27' 29.934 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

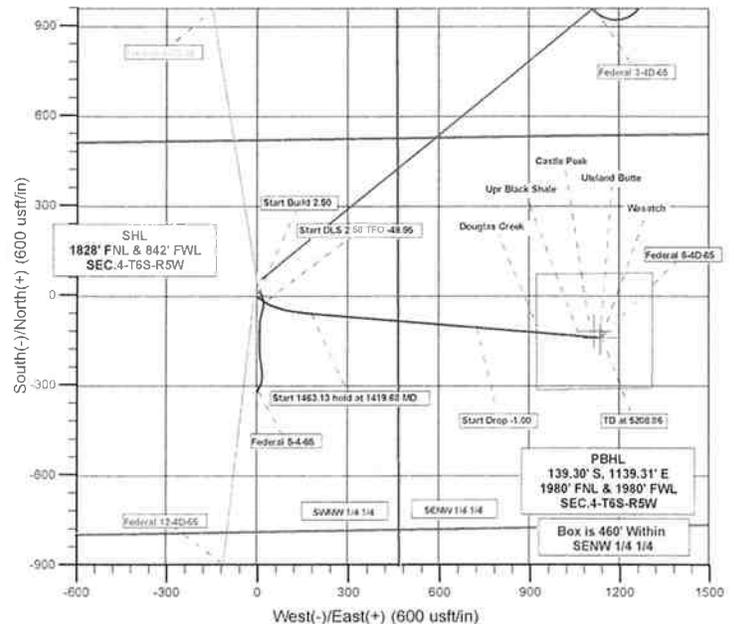
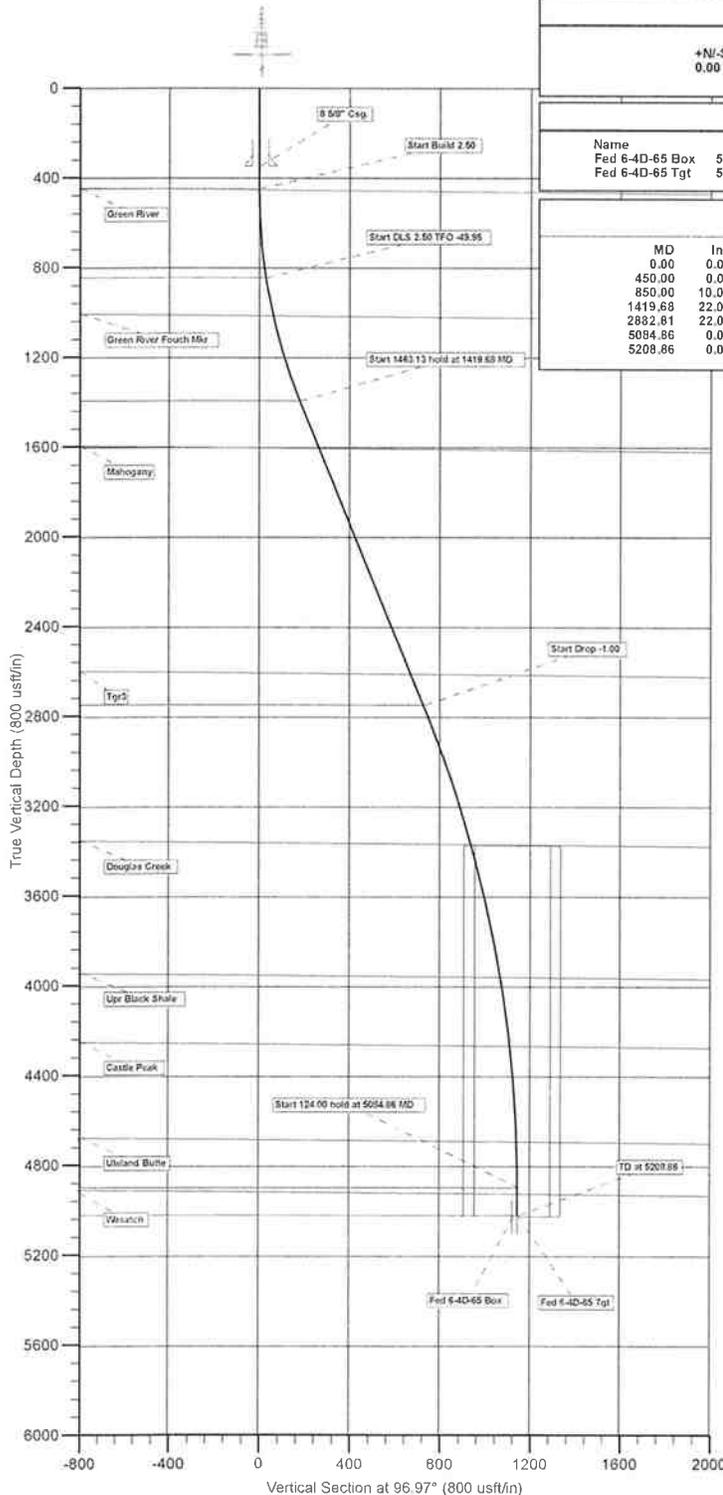
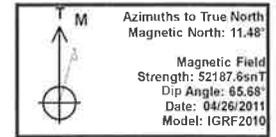
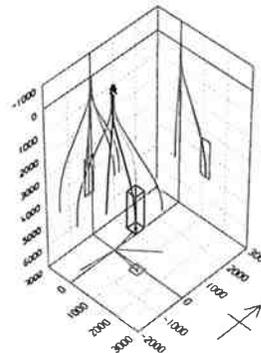
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Fed 6-4D-65 Box	5024.00	-117.09	1118.95	605374.172	2292972.636	39° 59' 26.558 N	110° 27' 15.557 W	Polygon
Fed 6-4D-65 Tgt	5024.00	-139.30	1139.31	605352.201	2292993.253	39° 59' 26.338 N	110° 27' 15.295 W	Point

SECTION DETAILS

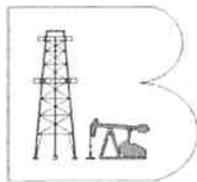
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.50
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	Start DLS 2.50 TFO -49.95
850.00	10.00	125.00	847.97	-19.57	28.52	2.50	125.00	30.73	Start DLS 2.50 TFO -49.95
1419.68	22.02	94.85	1395.37	-57.57	176.21	2.50	-49.95	181.90	Start 1463.13 hold at 1419.68 MD
2882.81	22.02	94.85	2751.76	-103.96	722.83	0.00	0.00	730.11	Start Drop -1.00
5084.86	0.00	0.00	4900.00	-139.30	1139.31	1.00	180.00	1147.79	Start 124.00 hold at 5084.86 MD
5208.86	0.00	0.00	5024.00	-139.30	1139.31	0.00	0.00	1147.79	TD at 5208.86

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
453.00	453.00	Green River
1013.54	1018.99	Green River Fouch Mkr
1603.32	1644.00	Mahogany
2608.87	2728.67	Tgr3
3388.20	3534.20	Douglas Creek
3958.34	4138.91	Upr Black Shale
4265.71	4449.27	Castle Peak
4690.98	4875.80	Uteland Butte
4924.02	5108.98	Wasatch



Created By: Bret Wolford Date: 14:55, April 27 2011



## **Berry Petroleum Company**

Duchesne Co., UT (UT27C)

Sec.4-T6S-R5W

Federal 6-4D-65

Wellbore #1

Plan: Design #1

## **Standard Planning Report**

27 April, 2011





**Great White Directional Services, LLC**  
Planning Report



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T6S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Duchesne Co., UT (UT27C)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Sec.4-T6S-R5W				
<b>Site Position:</b>		<b>Northing:</b>	605,534.114 usft	<b>Latitude:</b>	39° 59' 28.266 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,291,865.197 usft	<b>Longitude:</b>	110° 27' 29.761 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16"	<b>Grid Convergence:</b>	0.67 °

<b>Well</b>	Federal 6-4D-65					
<b>Well Position</b>	+N/-S	-55.74 usft	<b>Northing:</b>	605,478,218 usft	<b>Latitude:</b>	39° 59' 27.715 N
	+E/-W	-13.45 usft	<b>Easting:</b>	2,291,852,398 usft	<b>Longitude:</b>	110° 27' 29.934 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	6,779.00 usft

<b>Wellbore:</b>	Wellbore #1
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/26/11	11.48	65.68	52,188

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	96.97

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	
850.00	10.00	125.00	847.97	-19.97	28.52	2.50	2.50	0.00	125.00	
1,419.68	22.02	94.85	1,395.37	-57.57	176.21	2.50	2.11	-5.29	-49.95	
2,882.81	22.02	94.85	2,751.76	-103.96	722.83	0.00	0.00	0.00	0.00	
5,084.86	0.00	0.00	4,900.00	-139.30	1,139.31	1.00	-1.00	0.00	180.00	
5,208.86	0.00	0.00	5,024.00	-139.30	1,139.31	0.00	0.00	0.00	0.00	



**Great White Directional Services, LLC**  
 Planning Report



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T6S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>8 5/8" Csg.</b>										
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.50</b>										
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Green River</b>										
453.00	0.08	125.00	453.00	0.00	0.00	0.00	2.50	2.50	0.00	0.00
500.00	1.25	125.00	500.00	-0.31	0.45	0.48	2.50	2.50	0.00	0.00
600.00	3.75	125.00	599.89	-2.81	4.02	4.33	2.50	2.50	0.00	0.00
700.00	6.25	125.00	699.50	-7.81	11.16	12.02	2.50	2.50	0.00	0.00
800.00	8.75	125.00	798.64	-15.30	21.85	23.54	2.50	2.50	0.00	0.00
<b>Start DLS 2.50 TFO -49.95</b>										
850.00	10.00	125.00	847.97	-19.97	28.52	30.73	2.50	2.50	0.00	0.00
900.00	10.85	119.91	897.15	-24.81	36.16	38.90	2.50	1.69	-10.18	-10.18
1,000.00	12.74	111.88	995.04	-33.61	54.54	58.22	2.50	1.89	-8.03	-8.03
<b>Green River Fouch Mkr</b>										
1,018.99	13.12	110.62	1,013.54	-35.15	58.50	62.34	2.50	2.01	-6.64	-6.64
1,100.00	14.81	105.97	1,092.16	-41.23	77.06	81.50	2.50	2.08	-5.73	-5.73
1,200.00	16.99	101.52	1,188.34	-47.67	103.67	108.69	2.50	2.18	-4.45	-4.45
1,300.00	19.25	98.07	1,283.37	-52.90	134.31	139.74	2.50	2.26	-3.45	-3.45
1,400.00	21.56	95.33	1,377.09	-56.92	168.94	174.60	2.50	2.31	-2.74	-2.74
<b>Start 1463.13 hold at 1419.68 MD</b>										
1,419.68	22.02	94.85	1,395.37	-57.57	176.21	181.90	2.50	2.33	-2.41	-2.41
1,500.00	22.02	94.85	1,469.83	-60.11	206.22	211.99	0.00	0.00	0.00	0.00
1,600.00	22.02	94.85	1,562.53	-63.28	243.58	249.46	0.00	0.00	0.00	0.00
<b>Mahogany</b>										
1,644.00	22.02	94.85	1,603.32	-64.68	260.02	265.95	0.00	0.00	0.00	0.00
1,700.00	22.02	94.85	1,655.24	-66.45	280.94	286.93	0.00	0.00	0.00	0.00
1,800.00	22.02	94.85	1,747.94	-69.62	318.30	324.40	0.00	0.00	0.00	0.00
1,900.00	22.02	94.85	1,840.65	-72.79	355.66	361.87	0.00	0.00	0.00	0.00
2,000.00	22.02	94.85	1,933.35	-75.97	393.02	399.33	0.00	0.00	0.00	0.00
2,100.00	22.02	94.85	2,026.06	-79.14	430.38	436.80	0.00	0.00	0.00	0.00
2,200.00	22.02	94.85	2,118.76	-82.31	467.74	474.27	0.00	0.00	0.00	0.00
2,300.00	22.02	94.85	2,211.47	-85.48	505.10	511.74	0.00	0.00	0.00	0.00
2,400.00	22.02	94.85	2,304.17	-88.65	542.46	549.21	0.00	0.00	0.00	0.00
2,500.00	22.02	94.85	2,396.88	-91.82	579.82	586.67	0.00	0.00	0.00	0.00
2,600.00	22.02	94.85	2,489.58	-94.99	617.18	624.14	0.00	0.00	0.00	0.00
2,700.00	22.02	94.85	2,582.29	-98.16	654.54	661.61	0.00	0.00	0.00	0.00
<b>Tgr3</b>										
2,728.67	22.02	94.85	2,608.87	-99.07	665.25	672.35	0.00	0.00	0.00	0.00
2,800.00	22.02	94.85	2,674.99	-101.33	691.90	699.08	0.00	0.00	0.00	0.00
<b>Start Drop -1.00</b>										
2,882.81	22.02	94.85	2,751.76	-103.96	722.83	730.11	0.00	0.00	0.00	0.00
2,900.00	21.85	94.85	2,767.71	-104.50	729.23	736.52	1.00	-1.00	0.00	0.00
3,000.00	20.85	94.85	2,860.84	-107.58	765.50	772.90	1.00	-1.00	0.00	0.00
3,100.00	19.85	94.85	2,954.60	-110.52	800.15	807.65	1.00	-1.00	0.00	0.00
3,200.00	18.85	94.85	3,048.95	-113.32	833.16	840.76	1.00	-1.00	0.00	0.00
3,300.00	17.85	94.85	3,143.87	-115.98	864.53	872.22	1.00	-1.00	0.00	0.00
3,400.00	16.85	94.85	3,239.32	-118.50	894.24	902.01	1.00	-1.00	0.00	0.00



**Great White Directional Services, LLC**  
Planning Report



<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T6S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,500.00	15.85	94.85	3,335.27	-120.88	922.29	930.14	1.00	-1.00	0.00
<b>Douglas Creek</b>									
3,534.20	15.51	94.85	3,368.20	-121.66	931.50	939.38	1.00	-1.00	0.00
3,600.00	14.85	94.85	3,431.71	-123.12	948.66	956.59	1.00	-1.00	0.00
3,700.00	13.85	94.85	3,528.58	-125.22	973.36	981.36	1.00	-1.00	0.00
3,800.00	12.85	94.85	3,625.88	-127.17	996.36	1,004.43	1.00	-1.00	0.00
3,900.00	11.85	94.85	3,723.57	-128.98	1,017.67	1,025.80	1.00	-1.00	0.00
4,000.00	10.85	94.85	3,821.61	-130.64	1,037.28	1,045.47	1.00	-1.00	0.00
4,100.00	9.85	94.85	3,919.98	-132.16	1,055.18	1,063.42	1.00	-1.00	0.00
<b>Upr Black Shale</b>									
4,138.91	9.46	94.85	3,958.34	-132.71	1,061.68	1,069.94	1.00	-1.00	0.00
4,200.00	8.85	94.85	4,018.65	-133.53	1,071.36	1,079.65	1.00	-1.00	0.00
4,300.00	7.85	94.85	4,117.59	-134.76	1,085.83	1,094.16	1.00	-1.00	0.00
4,400.00	6.85	94.85	4,216.77	-135.84	1,098.57	1,106.94	1.00	-1.00	0.00
<b>Castle Peak</b>									
4,449.27	6.36	94.85	4,265.71	-136.32	1,104.22	1,112.60	1.00	-1.00	0.00
4,500.00	5.85	94.85	4,316.15	-136.78	1,109.59	1,117.99	1.00	-1.00	0.00
4,600.00	4.85	94.85	4,415.72	-137.57	1,118.88	1,127.31	1.00	-1.00	0.00
4,700.00	3.85	94.85	4,515.43	-138.21	1,126.44	1,134.88	1.00	-1.00	0.00
4,800.00	2.85	94.85	4,615.26	-138.70	1,132.26	1,140.72	1.00	-1.00	0.00
<b>Uteland Butte</b>									
4,875.80	2.09	94.85	4,690.98	-138.98	1,135.51	1,143.98	1.00	-1.00	0.00
4,900.00	1.85	94.85	4,715.17	-139.05	1,136.34	1,144.81	1.00	-1.00	0.00
5,000.00	0.85	94.85	4,815.14	-139.25	1,138.68	1,147.17	1.00	-1.00	0.00
<b>Start 124.00 hold at 5084.86 MD</b>									
5,084.86	0.00	0.00	4,900.00	-139.30	1,139.31	1,147.79	1.00	-1.00	0.00
5,100.00	0.00	0.00	4,915.14	-139.30	1,139.31	1,147.79	0.00	0.00	0.00
<b>Wasatch</b>									
5,108.88	0.00	0.00	4,924.02	-139.30	1,139.31	1,147.79	0.00	0.00	0.00
<b>TD at 5208.86 - Fed 6-4D-65 Tgt - Fed 6-4D-65 Box</b>									
5,208.86	0.00	0.00	5,024.00	-139.30	1,139.31	1,147.79	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Fed 6-4D-65 Tgt	0.00	0.00	5,024.00	-139.30	1,139.31	605,352.201	2,292,993.253	39° 59' 26.338 N	110° 27' 15.295 W
- hit/miss target									
- Shape									
- plan hits target center									
- Point									
Fed 6-4D-65 Box	0.00	0.00	5,024.00	-117.09	1,118.95	605,374.172	2,292,972.636	39° 59' 26.558 N	110° 27' 15.557 W
- plan misses target center by 30.13usft at 5208.86usft MD (5024.00 TVD, -139.30 N, 1139.31 E)									
- Polygon									
Point 1			5,024.00	189.92	-194.00	605,561.82	2,292,776.44		
Point 2			5,024.00	195.11	193.45	605,571.52	2,293,163.80		
Point 3			5,024.00	-189.50	193.02	605,186.93	2,293,167.85		
Point 4			5,024.00	-195.53	-192.47	605,176.41	2,292,782.46		
Point 5			5,024.00	189.92	-194.00	605,561.82	2,292,776.44		



**Great White Directional Services, LLC**  
 Planning Report

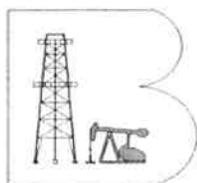


<b>Database:</b>	EDM 5000.1 EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T6S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	8 5/8" Csg.	8-5/8	11

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
453.00	453.00	Green River		0.50	96.97
1,018.99	1,013.00	Green River Fouch Mkr		0.50	96.97
1,644.00	1,601.00	Mahogany		0.50	96.97
2,728.67	2,603.00	Tgr3		0.50	96.97
3,534.20	3,360.00	Douglas Creek		0.50	96.97
4,138.91	3,949.00	Upr Black Shale		0.50	96.97
4,449.27	4,256.00	Castle Peak		0.50	96.97
4,875.80	4,681.00	Uteland Butte		0.50	96.97
5,108.88	4,914.00	Wasatch		0.50	96.97

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
450.00	450.00	0.00	0.00	Start Build 2.50	
850.00	847.97	-19.97	28.52	Start DLS 2.50 TFO -49.95	
1,419.68	1,395.37	-57.57	176.21	Start 1463.13 hold at 1419.68 MD	
2,882.81	2,751.76	-103.96	722.83	Start Drop -1.00	
5,084.86	4,900.00	-139.30	1,139.31	Start 124.00 hold at 5084.86 MD	
5,208.86	5,024.00	-139.30	1,139.31	TD at 5208.86	



## **Berry Petroleum Company**

Duchesne Co., UT (UT27C)

Sec.4-T6S-R5W

Federal 6-4D-65

Wellbore #1

Design #1

## **Anticollision Report**

27 April, 2011





**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

<b>Reference</b>	Design #1
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria
<b>Interpolation Method:</b>	Stations
<b>Depth Range:</b>	Unlimited
<b>Results Limited by:</b>	Maximum center-center distance of 10,000.00 usft
<b>Warning Levels Evaluated at:</b>	2.00 Sigma
<b>Error Model:</b>	ISCWSA
<b>Scan Method:</b>	Closest Approach 3D
<b>Error Surface:</b>	Elliptical Conic
<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	Date	04/27/11
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>
0.00	5,208.86	Design #1 (Wellbore #1)
		<b>Tool Name</b>
		MWD
		<b>Description</b>
		MWD - Standard

Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Sec.4-T6S-R5W						
Federal 12-4D-65 - Wellbore #1 - Design #1	432.99	433.99	20.01	18.32	11.825	CC
Federal 12-4D-65 - Wellbore #1 - Design #1	450.00	450.99	20.01	18.25	11.316	ES
Federal 12-4D-65 - Wellbore #1 - Design #1	500.00	500.51	20.59	18.62	10.462	SF
Federal 3-4D-65 - Wellbore #1 - Design #1	450.00	450.00	57.47	55.70	32.531	CC, ES
Federal 3-4D-65 - Wellbore #1 - Design #1	3,200.00	3,058.10	769.49	736.00	22.976	SF
Federal 4-4D-65 - Wellbore #1 - Design #1	432.99	433.99	38.79	37.09	22.917	CC
Federal 4-4D-65 - Wellbore #1 - Design #1	450.00	450.99	38.79	37.02	21.927	ES
Federal 4-4D-65 - Wellbore #1 - Design #1	600.00	598.63	45.30	42.90	18.811	SF
Federal 5-4-65 - Wellbore #1 - Wellbore #1	689.85	694.03	16.65	14.14	6.645	CC
Federal 5-4-65 - Wellbore #1 - Wellbore #1	700.00	704.16	16.67	14.12	6.537	ES, SF

Offset Design													Offset Site Error:	0.00 usft
Sec.4-T6S-R5W - Federal 12-4D-65 - Wellbore #1 - Design #1													Offset Well Error:	0.00 usft
Survey Program: 0-MWD														
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.00	0.00	1.00	0.00	0.00	0.00	-148.80	-148.80	-17.12	-10.37	20.01				
100.00	100.00	101.00	100.00	0.10	0.10	-148.80	-148.80	-17.12	-10.37	20.01	19.82	0.20	102.347	
200.00	200.00	201.00	200.00	0.32	0.32	-148.80	-148.80	-17.12	-10.37	20.01	19.37	0.65	31.025	
300.00	300.00	301.00	300.00	0.55	0.55	-148.80	-148.80	-17.12	-10.37	20.01	18.92	1.09	18.284	
400.00	400.00	401.00	400.00	0.77	0.77	-148.80	-148.80	-17.12	-10.37	20.01	18.47	1.54	12.961	
432.99	432.99	433.99	432.99	0.85	0.85	-148.80	-148.80	-17.12	-10.37	20.01	18.32	1.69	11.825	CC
450.00	450.00	450.99	449.99	0.88	0.89	-148.80	-148.80	-17.12	-10.37	20.01	18.25	1.77	11.316	ES
500.00	500.00	500.51	499.50	0.99	0.98	-148.07	-148.07	-17.78	-10.44	20.59	18.62	1.97	10.462	SF
600.00	599.89	599.35	598.20	1.18	1.17	-143.20	-143.20	-22.92	-11.02	25.17	22.82	2.35	10.712	
700.00	699.50	697.59	695.89	1.40	1.38	-137.24	-137.24	-33.04	-12.17	34.55	31.76	2.79	12.394	
800.00	798.64	794.85	791.98	1.67	1.65	-132.46	-132.46	-47.97	-13.86	48.86	45.56	3.30	14.811	
850.00	847.97	843.01	839.24	1.82	1.81	-130.58	-130.58	-57.16	-14.90	57.83	54.24	3.59	16.100	
900.00	897.15	890.72	885.82	1.99	1.98	-129.22	-129.22	-67.42	-16.06	68.34	64.44	3.90	17.510	
1,000.00	995.04	984.26	976.32	2.36	2.39	-128.02	-128.02	-90.89	-18.71	94.86	90.27	4.59	20.680	
1,100.00	1,092.16	1,074.68	1,062.61	2.79	2.86	-127.75	-127.75	-117.73	-21.75	128.41	123.08	5.33	24.083	
1,200.00	1,188.34	1,161.36	1,144.02	3.29	3.38	-127.72	-127.72	-147.24	-25.09	168.70	162.57	6.13	27.531	
1,300.00	1,283.37	1,243.78	1,220.13	3.86	3.94	-127.66	-127.66	-178.68	-28.65	215.36	208.39	6.96	30.924	

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design Sec.4-T6S-R5W - Federal 12-4D-65 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: D-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
1,400.00	1,377.09	1,321.60	1,290.66	4.51	4.53	-127.49	-211.34	-32.34	268.01	260.18	7.83	34.221		
1,419.68	1,395.37	1,336.34	1,303.87	4.64	4.65	-127.45	-217.84	-33.08	279.04	271.03	8.01	34.849		
1,500.00	1,469.83	1,400.00	1,360.31	5.22	5.17	-127.62	-247.09	-36.39	325.29	316.49	8.80	36.955		
1,600.00	1,562.53	1,468.23	1,419.73	5.95	5.78	-127.43	-280.42	-40.16	384.77	375.00	9.78	39.361		
1,700.00	1,655.24	1,548.02	1,488.84	6.70	6.51	-127.91	-320.02	-44.64	444.96	434.14	10.81	41.150		
1,800.00	1,747.94	1,627.80	1,557.96	7.46	7.25	-128.28	-359.62	-49.12	505.16	493.30	11.86	42.592		
1,900.00	1,840.65	1,707.59	1,627.08	8.23	7.99	-128.58	-399.23	-53.60	565.39	552.47	12.92	43.755		
2,000.00	1,933.35	1,787.38	1,696.20	9.00	8.74	-128.81	-438.83	-58.08	625.62	611.63	13.99	44.707		
2,100.00	2,026.06	1,867.16	1,765.32	9.78	9.49	-129.01	-478.43	-62.56	685.87	670.79	15.07	45.499		
2,200.00	2,118.76	1,946.95	1,834.43	10.55	10.25	-129.17	-518.03	-67.04	746.12	729.96	16.16	46.167		
2,300.00	2,211.47	2,026.73	1,903.55	11.34	11.00	-129.31	-557.64	-71.52	806.38	789.12	17.25	46.738		
2,400.00	2,304.17	2,106.52	1,972.67	12.12	11.76	-129.43	-597.24	-76.01	866.64	848.29	18.35	47.230		
2,500.00	2,396.88	2,186.30	2,041.79	12.91	12.52	-129.54	-636.84	-80.49	926.90	907.45	19.45	47.656		
2,600.00	2,489.58	2,266.09	2,110.91	13.69	13.28	-129.63	-676.44	-84.97	987.16	966.61	20.55	48.029		
2,700.00	2,582.29	2,345.88	2,180.03	14.48	14.04	-129.71	-716.05	-89.45	1,047.43	1,025.77	21.66	48.359		
2,800.00	2,674.99	2,425.66	2,249.14	15.27	14.80	-129.78	-755.65	-93.93	1,107.70	1,084.93	22.77	48.652		
2,882.81	2,751.76	2,491.73	2,306.38	15.93	15.44	-129.84	-788.45	-97.64	1,157.61	1,133.93	23.69	48.871		
2,900.00	2,767.71	2,505.46	2,318.27	16.05	15.57	-129.85	-795.26	-98.41	1,167.96	1,144.08	23.88	48.909		
3,000.00	2,860.84	2,585.63	2,387.72	16.68	16.33	-129.95	-835.05	-102.91	1,227.69	1,202.75	24.93	49.237		
3,100.00	2,954.60	2,666.37	2,457.67	17.29	17.11	-130.11	-875.13	-107.45	1,286.59	1,260.61	25.98	49.517		
3,200.00	3,048.95	2,747.64	2,528.07	17.87	17.88	-130.32	-915.47	-112.01	1,344.66	1,317.64	27.02	49.761		
3,300.00	3,143.87	2,860.76	2,626.85	18.44	18.73	-131.00	-970.25	-118.21	1,401.03	1,372.92	28.11	49.841		
3,400.00	3,239.32	2,979.74	2,732.45	18.97	19.53	-131.66	-1,024.71	-124.37	1,454.55	1,425.38	29.16	49.874		
3,500.00	3,335.27	3,103.32	2,843.88	19.49	20.33	-132.27	-1,077.79	-130.38	1,505.07	1,474.86	30.21	49.817		
3,600.00	3,431.71	3,231.44	2,961.17	19.98	21.13	-132.84	-1,129.00	-136.17	1,552.44	1,521.20	31.24	49.688		
3,700.00	3,528.56	3,364.00	3,084.27	20.44	21.91	-133.35	-1,177.84	-141.70	1,596.49	1,564.24	32.25	49.499		
3,800.00	3,625.88	3,500.85	3,213.06	20.87	22.68	-133.81	-1,223.78	-146.90	1,637.08	1,603.84	33.23	49.258		
3,900.00	3,723.57	3,641.76	3,347.32	21.28	23.39	-134.20	-1,266.27	-151.70	1,674.04	1,639.87	34.17	48.988		
4,000.00	3,821.61	3,786.46	3,486.74	21.65	24.07	-134.53	-1,304.74	-156.06	1,707.25	1,672.18	35.07	48.684		
4,100.00	3,919.98	3,934.63	3,630.91	22.01	24.67	-134.80	-1,338.67	-159.90	1,736.56	1,700.65	35.90	48.366		
4,200.00	4,018.65	4,085.87	3,779.32	22.33	25.21	-134.99	-1,367.55	-163.16	1,761.85	1,725.17	36.68	48.031		
4,300.00	4,117.59	4,239.72	3,931.35	22.63	25.67	-135.10	-1,390.91	-165.81	1,783.03	1,745.64	37.39	47.693		
4,400.00	4,216.77	4,395.69	4,086.32	22.90	26.05	-135.14	-1,408.37	-167.78	1,800.00	1,761.98	38.02	47.347		
4,500.00	4,316.15	4,553.23	4,243.44	23.14	26.33	-135.09	-1,419.60	-169.05	1,812.69	1,774.13	38.56	47.007		
4,600.00	4,415.72	4,711.76	4,401.89	23.36	26.51	-134.96	-1,424.40	-169.60	1,821.07	1,782.05	39.03	46.661		
4,700.00	4,515.43	4,825.30	4,515.43	23.55	26.60	-134.79	-1,424.58	-169.62	1,826.06	1,786.69	39.37	46.379		
4,800.00	4,615.26	4,925.13	4,615.26	23.72	26.67	-134.65	-1,424.58	-169.62	1,829.85	1,790.18	39.67	46.123		
4,900.00	4,715.17	5,025.04	4,715.17	23.87	26.75	-134.55	-1,424.58	-169.62	1,832.51	1,792.57	39.95	45.871		
5,000.00	4,815.14	5,125.02	4,815.14	23.98	26.82	-134.49	-1,424.58	-169.62	1,834.05	1,793.85	40.20	45.623		
5,084.86	4,900.00	5,209.87	4,900.00	24.07	26.89	-134.46	-1,424.58	-169.62	1,834.46	1,794.06	40.39	45.414		
5,100.00	4,915.14	5,225.01	4,915.14	24.08	26.90	-134.48	-1,424.58	-169.62	1,834.46	1,794.03	40.42	45.379		
5,208.86	5,024.00	5,254.87	4,945.00	24.18	26.92	-134.48	-1,424.58	-169.62	1,836.16	1,795.59	40.57	45.257		

CC - Min centre to center distance or covergent point, SF - min separation factor, ES - min ellipse separation



**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design Sec.4-T6S-R5W - Federal 3-4D-65 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: D-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	0.00	0.00	0.00	0.00	14.11	55.74	14.01	57.47					
100.00	100.00	100.00	100.00	0.10	0.10	14.11	55.74	14.01	57.47	57.28	0.19	297.320		
200.00	200.00	200.00	200.00	0.32	0.32	14.11	55.74	14.01	57.47	56.83	0.64	89.404		
300.00	300.00	300.00	300.00	0.55	0.55	14.11	55.74	14.01	57.47	56.38	1.09	52.612		
400.00	400.00	400.00	400.00	0.77	0.77	14.11	55.74	14.01	57.47	55.93	1.54	37.273		
450.00	450.00	450.00	450.00	0.88	0.88	14.11	55.74	14.01	57.47	55.70	1.77	32.531	CC, ES	
500.00	500.00	499.00	499.00	0.99	0.99	13.91	56.07	14.41	58.10	56.12	1.98	28.386		
600.00	599.89	596.81	596.71	1.18	1.21	12.48	58.72	17.64	63.11	60.71	2.39	26.362		
700.00	699.50	694.03	693.57	1.40	1.44	10.17	63.98	24.04	73.18	70.33	2.85	25.673		
800.00	798.64	790.28	789.03	1.67	1.69	7.62	71.74	33.49	88.34	84.98	3.36	26.319		
850.00	847.97	837.93	836.08	1.82	1.84	6.38	76.53	39.32	97.83	94.19	3.63	26.915		
900.00	897.15	885.30	882.69	1.99	1.99	5.20	81.90	45.86	108.12	104.19	3.92	27.568		
1,000.00	995.04	979.44	974.75	2.36	2.33	2.91	94.38	61.06	129.75	125.18	4.57	28.417		
1,100.00	1,092.16	1,072.79	1,065.16	2.79	2.74	0.74	109.12	79.00	152.77	147.46	5.31	28.758		
1,200.00	1,188.34	1,165.34	1,153.78	3.29	3.20	-1.35	126.02	99.58	177.14	170.96	6.18	28.682		
1,300.00	1,283.37	1,257.09	1,240.51	3.86	3.73	-3.36	145.01	122.70	202.83	195.66	7.17	28.292		
1,400.00	1,377.09	1,348.04	1,325.24	4.51	4.33	-5.30	165.99	148.24	229.80	221.50	8.30	27.685		
1,419.68	1,395.37	1,365.85	1,341.67	4.64	4.45	-5.68	170.35	153.54	235.25	226.71	8.54	27.549		
1,500.00	1,469.83	1,438.17	1,407.84	5.22	4.98	-6.90	188.87	176.10	258.35	248.80	9.55	27.056		
1,600.00	1,562.53	1,532.39	1,493.16	5.95	5.72	-7.51	214.24	206.98	288.39	277.51	10.89	26.494		
1,700.00	1,655.24	1,627.73	1,579.47	6.70	6.49	-7.93	239.94	238.27	318.49	306.23	12.26	25.984		
1,800.00	1,747.94	1,723.06	1,665.78	7.46	7.27	-8.27	265.64	269.56	348.61	334.96	13.65	25.536		
1,900.00	1,840.65	1,818.40	1,752.09	8.23	8.06	-8.56	291.34	300.85	378.74	363.67	15.06	25.143		
2,000.00	1,933.35	1,913.73	1,838.40	9.00	8.85	-8.81	317.04	332.14	408.87	392.38	16.49	24.799		
2,100.00	2,026.06	2,009.07	1,924.71	9.78	9.65	-9.02	342.74	363.43	439.02	421.09	17.92	24.497		
2,200.00	2,118.76	2,104.40	2,011.01	10.55	10.45	-9.20	368.44	394.72	469.16	449.80	19.36	24.231		
2,300.00	2,211.47	2,199.74	2,097.32	11.34	11.25	-9.36	394.14	426.00	499.32	478.51	20.81	23.995		
2,400.00	2,304.17	2,295.07	2,183.63	12.12	12.06	-9.51	419.84	457.29	529.48	507.21	22.26	23.785		
2,500.00	2,396.88	2,390.40	2,269.94	12.91	12.86	-9.64	445.54	488.58	559.64	535.92	23.72	23.597		
2,600.00	2,489.58	2,485.74	2,356.25	13.69	13.67	-9.75	471.24	519.87	589.80	564.62	25.18	23.427		
2,700.00	2,582.29	2,581.07	2,442.55	14.48	14.48	-9.85	496.94	551.16	619.97	593.33	26.64	23.274		
2,800.00	2,674.99	2,676.41	2,528.86	15.27	15.29	-9.95	522.64	582.45	650.13	622.03	28.10	23.135		
2,882.81	2,751.76	2,755.36	2,600.34	15.93	15.96	-10.02	543.93	608.37	675.12	645.80	29.32	23.029		
2,900.00	2,767.71	2,771.74	2,615.17	16.05	16.10	-10.03	548.35	613.74	680.30	650.74	29.56	23.015		
3,000.00	2,860.84	2,867.14	2,701.53	16.68	16.91	-10.02	574.06	645.05	710.30	679.40	30.89	22.991		
3,100.00	2,954.60	2,962.60	2,787.96	17.29	17.72	-9.88	599.80	676.38	740.02	707.82	32.21	22.977		
3,200.00	3,048.95	3,058.10	2,874.41	17.87	18.53	-9.64	625.54	707.73	769.49	736.00	33.49	22.976	SF	
3,300.00	3,143.87	3,153.60	2,960.88	18.44	19.35	-9.29	651.29	739.07	798.70	763.96	34.75	22.987		
3,400.00	3,239.32	3,249.09	3,047.32	18.97	20.16	-8.85	677.03	770.41	827.69	791.72	35.97	23.013		
3,500.00	3,335.27	3,344.52	3,133.72	19.49	20.97	-8.33	702.76	801.74	856.47	819.32	37.15	23.053		
3,600.00	3,431.71	3,439.87	3,220.04	19.98	21.79	-7.73	728.46	833.03	885.08	846.78	38.30	23.109		
3,700.00	3,528.58	3,535.12	3,306.27	20.44	22.60	-7.07	754.14	864.29	913.56	874.15	39.41	23.183		
3,800.00	3,625.88	3,630.23	3,392.38	20.87	23.41	-6.35	779.78	895.51	941.94	901.47	40.47	23.275		
3,900.00	3,723.57	3,733.76	3,486.28	21.28	24.21	-5.40	807.45	929.19	970.06	928.59	41.47	23.391		
4,000.00	3,821.61	3,846.79	3,589.98	21.65	24.94	-4.34	835.98	963.92	996.68	954.30	42.38	23.518		
4,100.00	3,919.98	3,961.40	3,696.45	22.01	25.64	-3.36	862.90	996.71	1,021.54	978.30	43.23	23.628		
4,200.00	4,018.65	4,077.53	3,805.58	22.33	26.31	-2.46	888.11	1,027.39	1,044.55	1,000.51	44.03	23.721		
4,300.00	4,117.59	4,195.10	3,917.23	22.63	26.94	-1.64	911.47	1,055.83	1,065.66	1,020.88	44.78	23.798		
4,400.00	4,216.77	4,314.02	4,031.26	22.90	27.51	-0.89	932.86	1,081.88	1,084.81	1,039.35	45.46	23.862		
4,500.00	4,316.15	4,434.18	4,147.50	23.14	28.04	-0.22	952.18	1,105.41	1,101.95	1,055.87	46.08	23.913		
4,600.00	4,415.72	4,555.47	4,265.75	23.36	28.53	0.38	969.33	1,126.27	1,117.03	1,070.39	46.64	23.949		
4,700.00	4,515.43	4,677.79	4,385.79	23.55	28.96	0.92	984.19	1,144.37	1,130.00	1,082.86	47.14	23.971		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design Sec.4-T6S-R5W - Federal 3-4D-65 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/S (usft)	+E/W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
4,800.00	4,615.26	4,800.99	4,507.41	23.72	29.33	1.38	996.69	1,159.59	1,140.83	1,093.25	47.57	23.980		
4,900.00	4,715.17	4,924.95	4,630.35	23.87	29.64	1.77	1,006.74	1,171.83	1,149.47	1,101.53	47.94	23.977		
5,000.00	4,815.14	5,049.53	4,754.35	23.98	29.90	2.10	1,014.29	1,181.02	1,155.91	1,107.67	48.24	23.960		
5,084.86	4,900.00	5,155.62	4,860.21	24.07	30.07	2.33	1,018.69	1,186.38	1,159.63	1,111.18	48.45	23.935		
5,100.00	4,915.14	5,174.57	4,879.14	24.08	30.10	2.36	1,019.28	1,187.10	1,160.13	1,111.65	48.48	23.929		
5,208.86	5,024.00	5,311.08	5,015.58	24.18	30.26	2.51	1,021.77	1,190.13	1,162.21	1,113.51	48.71	23.861		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design Sec.4-T6S-R5W - Federal 4-4D-65 - Wellbore #1 - Design #1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance				Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.00	0.00	1.00	0.00	0.00	0.00	5.39	38.61	3.64	38.79					
100.00	100.00	101.00	100.00	0.10	0.10	5.39	38.61	3.64	38.79	38.59	0.20	198.345		
200.00	200.00	201.00	200.00	0.32	0.32	5.39	38.61	3.64	38.79	38.14	0.65	60.125		
300.00	300.00	301.00	300.00	0.55	0.55	5.39	38.61	3.64	38.79	37.69	1.09	35.433		
400.00	400.00	401.00	400.00	0.77	0.77	5.39	38.61	3.64	38.79	37.24	1.54	25.118		
432.99	432.99	433.99	432.99	0.85	0.85	5.39	38.61	3.64	38.79	37.09	1.69	22.917	CC	
450.00	450.00	450.99	449.99	0.88	0.89	5.39	38.61	3.64	38.79	37.02	1.77	21.927	ES	
500.00	500.00	500.00	499.00	0.99	1.00	4.54	39.04	3.57	39.49	37.51	1.98	19.928		
600.00	599.89	598.63	597.57	1.18	1.22	-1.26	42.42	3.03	45.30	42.90	2.41	18.811	SF	
700.00	699.50	695.85	694.55	1.40	1.45	-9.20	49.02	1.96	57.79	54.92	2.86	20.180		
800.00	798.64	791.30	789.49	1.67	1.68	-16.18	58.66	0.39	77.55	74.21	3.34	23.239		
850.00	847.97	838.15	835.97	1.82	1.81	-19.99	64.53	-0.56	90.17	86.59	3.58	25.197		
900.00	897.15	884.43	881.76	1.99	1.94	-21.50	71.07	-1.62	104.19	100.37	3.82	27.278		
1,000.00	995.04	975.34	971.40	2.36	2.22	-26.09	86.03	-4.04	135.29	130.97	4.32	31.293		
1,100.00	1,092.16	1,063.88	1,058.20	2.79	2.54	-30.14	103.29	-6.84	170.53	165.67	4.86	35.075		
1,200.00	1,188.34	1,149.85	1,141.91	3.29	2.88	-33.72	122.58	-9.96	209.88	204.44	5.45	38.545		
1,300.00	1,283.37	1,233.08	1,222.37	3.86	3.25	-36.93	143.61	-13.37	253.27	247.19	6.08	41.636		
1,400.00	1,377.09	1,313.43	1,299.42	4.51	3.65	-39.82	166.09	-17.01	300.57	293.78	6.78	44.303		
1,419.68	1,395.37	1,328.89	1,314.17	4.64	3.73	-40.36	170.66	-17.75	310.32	303.39	6.93	44.772		
1,500.00	1,469.83	1,391.17	1,373.33	5.22	4.07	-42.25	189.86	-20.86	351.23	343.71	7.53	46.668		
1,600.00	1,562.53	1,467.02	1,444.79	5.95	4.52	-43.98	214.95	-24.93	404.20	395.91	8.29	48.764		
1,700.00	1,655.24	1,540.97	1,513.79	6.70	5.00	-45.23	241.21	-29.18	459.17	450.08	9.09	50.525		
1,800.00	1,747.94	1,612.99	1,580.30	7.46	5.48	-46.15	268.46	-33.60	515.98	506.08	9.90	52.142		
1,900.00	1,840.65	1,691.17	1,651.94	8.23	6.05	-46.65	299.38	-38.61	574.08	563.33	10.75	53.418		
2,000.00	1,933.35	1,772.42	1,726.35	9.00	6.65	-46.99	331.58	-43.82	632.28	620.66	11.62	54.434		
2,100.00	2,026.06	1,853.67	1,800.76	9.78	7.25	-47.27	363.78	-49.04	690.49	677.99	12.50	55.259		
2,200.00	2,118.76	1,934.92	1,875.17	10.55	7.86	-47.50	395.98	-54.26	748.72	735.33	13.39	55.934		
2,300.00	2,211.47	2,016.16	1,949.59	11.34	8.47	-47.70	428.19	-59.47	806.95	792.67	14.28	56.491		
2,400.00	2,304.17	2,097.41	2,024.00	12.12	9.09	-47.88	460.39	-64.69	865.20	850.01	15.19	56.955		
2,500.00	2,396.88	2,178.66	2,099.41	12.91	9.71	-48.03	492.59	-69.91	923.45	907.35	16.10	57.343		
2,600.00	2,489.58	2,259.91	2,172.82	13.69	10.33	-48.16	524.80	-75.13	981.71	964.69	17.02	57.674		
2,700.00	2,582.29	2,341.16	2,247.23	14.48	10.95	-48.28	557.00	-80.34	1,039.97	1,022.03	17.94	57.957		
2,800.00	2,674.99	2,422.41	2,321.64	15.27	11.58	-48.39	589.20	-85.56	1,098.24	1,079.37	18.87	58.202		
2,882.81	2,751.76	2,489.69	2,383.26	15.93	12.10	-48.47	615.87	-89.88	1,146.49	1,126.85	19.64	58.379		
2,900.00	2,767.71	2,503.67	2,396.06	16.05	12.20	-48.48	621.41	-90.78	1,156.49	1,136.70	19.80	58.421		
3,000.00	2,860.84	2,585.42	2,470.93	16.68	12.84	-48.53	653.81	-96.03	1,214.08	1,193.41	20.67	58.740		
3,100.00	2,954.60	2,667.89	2,546.47	17.29	13.47	-48.52	686.50	-101.33	1,270.62	1,249.08	21.54	58.982		
3,200.00	3,048.95	2,751.07	2,622.65	17.87	14.12	-48.46	719.47	-106.67	1,326.10	1,303.69	22.41	59.161		
3,300.00	3,143.87	2,834.93	2,699.46	18.44	14.77	-48.35	752.71	-112.05	1,380.52	1,357.24	23.28	59.292		
3,400.00	3,239.32	2,927.79	2,784.56	18.97	15.43	-48.11	789.37	-117.99	1,433.76	1,409.60	24.16	59.354		
3,500.00	3,335.27	3,035.78	2,884.17	19.49	16.08	-47.74	830.54	-124.66	1,484.86	1,459.84	25.02	59.336		
3,600.00	3,431.71	3,146.56	2,987.15	19.98	16.73	-47.37	870.84	-131.19	1,533.52	1,507.63	25.88	59.248		
3,700.00	3,528.58	3,260.09	3,093.49	20.44	17.38	-47.02	910.09	-137.55	1,579.65	1,552.92	26.73	59.100		
3,800.00	3,625.88	3,376.30	3,203.13	20.87	18.02	-46.68	948.11	-143.71	1,623.18	1,595.62	27.56	58.900		
3,900.00	3,723.57	3,495.09	3,315.99	21.29	18.66	-46.35	984.69	-149.64	1,664.03	1,635.66	28.37	58.660		
4,000.00	3,821.61	3,616.38	3,431.99	21.65	19.27	-46.03	1,019.65	-155.30	1,702.12	1,672.87	29.15	58.388		
4,100.00	3,919.98	3,740.04	3,551.00	22.01	19.87	-45.74	1,052.79	-160.67	1,737.40	1,707.49	29.91	58.089		
4,200.00	4,018.65	3,865.95	3,672.89	22.33	20.44	-45.46	1,083.92	-165.71	1,769.78	1,739.14	30.64	57.767		
4,300.00	4,117.59	3,993.95	3,797.50	22.63	20.98	-45.20	1,112.85	-170.40	1,799.20	1,767.87	31.33	57.426		
4,400.00	4,216.77	4,123.90	3,924.62	22.90	21.49	-44.96	1,139.41	-174.70	1,825.61	1,793.62	31.99	57.074		
4,500.00	4,316.15	4,255.61	4,054.06	23.14	21.97	-44.73	1,163.41	-178.59	1,848.94	1,816.34	32.60	56.710		
4,600.00	4,415.72	4,388.89	4,185.58	23.36	22.40	-44.53	1,184.70	-182.04	1,869.16	1,835.97	33.18	56.333		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft		
Survey Program: 0-MWD													Sec.4-T6S-R5W - Federal 4-4D-65 - Wellbore #1 - Design #1		Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
4,700.00	4,515.43	4,523.54	4,318.93	23.55	22.80	-44.35	1,203.14	-185.03	1,886.20	1,852.49	33.71	55.951				
4,800.00	4,615.26	4,659.34	4,453.83	23.72	23.15	-44.20	1,218.59	-187.53	1,900.04	1,865.84	34.20	55.559				
4,900.00	4,715.17	4,796.08	4,589.99	23.87	23.46	-44.06	1,230.96	-189.54	1,910.64	1,876.00	34.64	55.157				
5,000.00	4,815.14	4,933.52	4,727.11	23.98	23.71	-43.95	1,240.16	-191.03	1,917.98	1,882.95	35.03	54.749				
5,084.86	4,900.00	5,050.53	4,843.99	24.07	23.90	-43.87	1,245.43	-191.88	1,921.64	1,886.31	35.33	54.395				
5,100.00	4,915.14	5,071.42	4,864.87	24.08	23.92	-43.86	1,246.13	-191.99	1,922.06	1,886.68	35.38	54.332				
5,208.86	5,024.00	5,221.80	5,015.22	24.18	24.10	-43.81	1,248.90	-192.44	1,923.73	1,888.02	35.71	53.868				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

**Great White Directional Services, LLC**  
Anticollision Report



**Company:** Berry Petroleum Company  
**Project:** Duchesne Co., UT (UT27C)  
**Reference Site:** Sec.4-T6S-R5W  
**Site Error:** 0.00 usft  
**Reference Well:** Federal 6-4D-65  
**Well Error:** 0.00 usft  
**Reference Wellbore:** Wellbore #1  
**Reference Design:** Design #1

**Local Co-ordinate Reference:** Well Federal 6-4D-65  
**TVD Reference:** WELL @ 6793.00usft  
**MD Reference:** WELL @ 6793.00usft  
**North Reference:** True  
**Survey Calculation Method:** Minimum Curvature  
**Output errors are at** 2.00 sigma  
**Database:** EDM 5000.1 EDMDBBW  
**Offset TVD Reference:** Reference Datum

Offset Design Sec.4-T6S-R5W - Federal 5-4-65 - Wellbore #1 - Wellbore #1													Offset Site Error:	0.00 usft
Survey Program: 381-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance			Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N-S (usft)	+E-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
0.00	0.00	4.00	0.00	0.00	0.00	29.98	17.49	10.09	20.19					
100.00	100.00	104.02	100.02	0.10	0.11	30.41	17.36	10.19	20.13	19.92	0.21	95.848		
200.00	200.00	204.04	200.04	0.32	0.22	31.65	17.00	10.48	19.97	19.42	0.54	36.717		
300.00	300.00	304.06	300.06	0.55	0.33	33.75	16.39	10.95	19.72	18.84	0.88	22.470		
400.00	400.00	404.09	400.08	0.77	0.47	36.81	15.54	11.63	19.41	18.17	1.24	15.664		
450.00	450.00	454.13	450.11	0.88	0.58	39.10	14.87	12.08	19.16	17.69	1.47	13.073		
500.00	500.00	504.16	500.13	0.99	0.70	40.49	13.98	12.65	18.79	17.11	1.68	11.170		
600.00	599.89	604.21	600.14	1.18	0.93	35.07	11.52	14.08	17.51	15.41	2.11	8.317		
689.85	689.41	694.03	689.89	1.38	1.14	18.93	8.55	15.67	16.65	14.14	2.51	6.645 CC		
700.00	699.50	704.16	700.02	1.40	1.16	16.35	8.17	15.85	16.67	14.12	2.55	6.537 ES, SF		
800.00	798.64	803.83	799.59	1.67	1.40	-12.71	4.03	17.49	19.83	16.84	2.99	6.623		
850.00	847.97	853.50	849.20	1.82	1.51	-25.44	1.66	18.23	23.99	20.78	3.21	7.469		
900.00	897.15	903.04	898.66	1.99	1.63	-35.78	-0.89	18.92	29.52	26.09	3.43	8.610		
1,000.00	995.04	1,001.48	996.95	2.36	1.85	-51.56	-6.33	20.17	43.93	40.06	3.87	11.361		
1,100.00	1,092.16	1,099.04	1,094.36	2.79	2.06	-61.95	-11.54	21.33	63.19	58.88	4.32	14.642		
1,200.00	1,188.34	1,195.58	1,190.77	3.29	2.26	-69.00	-16.48	22.40	87.08	82.31	4.77	18.250		
1,300.00	1,283.37	1,290.50	1,285.57	3.86	2.47	-74.09	-21.22	23.22	115.55	110.32	5.23	22.086		
1,400.00	1,377.09	1,383.53	1,378.48	4.51	2.66	-78.01	-26.00	23.39	148.80	143.11	5.69	26.144		
1,419.68	1,395.37	1,401.61	1,396.53	4.64	2.70	-78.67	-26.95	23.35	155.91	150.12	5.78	26.964		
1,500.00	1,469.83	1,475.05	1,469.87	5.22	2.86	-80.93	-30.85	22.93	185.61	179.43	6.18	30.020		
1,600.00	1,562.53	1,566.47	1,561.14	5.95	3.07	-82.98	-35.98	21.90	223.36	216.65	6.71	33.299		
1,700.00	1,655.24	1,657.67	1,652.13	6.70	3.29	-84.62	-41.91	20.44	261.68	254.43	7.25	36.094		
1,800.00	1,747.94	1,748.45	1,742.64	7.46	3.51	-86.00	-48.65	18.55	300.53	292.73	7.80	38.525		
1,900.00	1,840.65	1,840.43	1,834.28	8.23	3.75	-87.22	-56.30	16.33	339.79	331.42	8.37	40.578		
2,000.00	1,933.35	1,933.86	1,927.30	9.00	4.00	-88.31	-64.82	14.38	378.85	369.88	8.97	42.252		
2,100.00	2,026.06	2,027.54	2,020.49	9.78	4.25	-89.31	-74.11	12.82	417.62	408.05	9.57	43.647		
2,200.00	2,118.76	2,121.33	2,113.74	10.55	4.51	-90.23	-84.14	11.66	456.11	445.93	10.18	44.808		
2,300.00	2,211.47	2,214.74	2,206.58	11.34	4.77	-91.04	-94.44	10.81	494.40	483.60	10.80	45.779		
2,400.00	2,304.17	2,308.36	2,299.61	12.12	5.03	-91.74	-104.85	10.20	532.52	521.10	11.43	46.610		
2,500.00	2,396.88	2,402.04	2,392.71	12.91	5.29	-92.36	-115.36	9.85	570.47	558.42	12.05	47.331		
2,600.00	2,489.58	2,494.95	2,485.03	13.69	5.53	-92.90	-125.73	9.64	608.33	595.66	12.67	48.009		
2,700.00	2,582.29	2,587.93	2,577.45	14.48	5.78	-93.36	-135.99	9.51	646.16	632.86	13.29	48.614		
2,800.00	2,674.99	2,680.99	2,669.95	15.27	6.02	-93.76	-146.14	9.45	683.93	670.02	13.91	49.157		
2,882.81	2,751.76	2,757.96	2,746.46	15.93	6.23	-94.05	-154.50	9.46	715.19	700.75	14.44	49.541		
2,900.00	2,767.71	2,773.93	2,762.33	16.05	6.28	-94.11	-156.26	9.46	721.65	707.10	14.55	49.605		
3,000.00	2,860.84	2,867.20	2,855.02	16.68	6.54	-94.48	-166.74	9.55	758.29	743.12	15.17	49.976		
3,100.00	2,954.60	2,961.07	2,948.26	17.29	6.80	-94.85	-177.63	9.70	793.32	777.52	15.80	50.217		
3,200.00	3,048.95	3,057.03	3,043.54	17.87	7.07	-95.26	-189.04	9.96	826.70	810.27	16.43	50.327		
3,300.00	3,143.87	3,156.77	3,142.61	18.44	7.35	-95.65	-200.49	10.65	858.05	840.99	17.06	50.301		
3,400.00	3,239.32	3,257.47	3,242.71	18.97	7.63	-96.01	-211.41	11.89	887.24	869.56	17.68	50.178		
3,500.00	3,335.27	3,357.55	3,342.25	19.49	7.91	-96.33	-221.61	13.63	914.26	895.97	18.29	49.994		
3,600.00	3,431.71	3,451.55	3,435.83	19.98	8.13	-96.55	-230.38	15.18	939.63	920.80	18.83	49.889		
3,700.00	3,528.58	3,545.88	3,529.82	20.44	8.36	-96.74	-238.29	16.37	963.64	944.26	19.37	49.758		
3,800.00	3,625.88	3,640.82	3,624.49	20.87	8.59	-96.88	-245.35	17.19	986.27	966.39	19.88	49.605		
3,900.00	3,723.57	3,737.49	3,720.93	21.28	8.81	-97.01	-251.97	17.81	1,007.40	987.03	20.38	49.443		
4,000.00	3,821.61	3,834.47	3,817.71	21.65	9.03	-97.14	-258.24	18.27	1,026.97	1,006.12	20.86	49.240		
4,100.00	3,919.99	3,931.28	3,914.34	22.01	9.25	-97.26	-264.12	18.58	1,044.98	1,023.65	21.32	49.008		
4,200.00	4,018.65	4,026.82	4,009.73	22.33	9.45	-97.36	-269.44	18.60	1,061.54	1,039.77	21.77	48.772		
4,300.00	4,117.59	4,122.55	4,105.34	22.63	9.66	-97.44	-274.22	18.27	1,076.70	1,054.51	22.19	48.513		
4,400.00	4,216.77	4,218.55	4,201.24	22.90	9.87	-97.52	-278.49	17.58	1,090.47	1,067.86	22.61	48.235		
4,500.00	4,316.15	4,314.98	4,297.58	23.14	10.08	-97.60	-282.61	16.62	1,102.81	1,079.81	23.01	47.935		
4,600.00	4,415.72	4,411.54	4,394.04	23.36	10.28	-97.70	-286.73	15.41	1,113.72	1,090.32	23.39	47.606		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 381-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Azimuth from North (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,700.00	4,515.43	4,508.36	4,490.77	23.55	10.49	-97.81	-290.86	13.94	1,123.19	1,099.41	23.77	47.247		
4,800.00	4,615.26	4,605.63	4,587.93	23.72	10.70	-97.95	-295.03	12.26	1,131.18	1,107.04	24.14	46.855		
4,900.00	4,715.17	4,702.98	4,685.17	23.87	10.92	-98.10	-299.25	10.37	1,137.70	1,113.20	24.50	46.430		
5,000.00	4,815.14	4,799.87	4,781.94	23.98	11.13	-98.27	-303.52	8.29	1,142.75	1,117.89	24.66	45.974		
5,084.86	4,900.00	4,881.36	4,863.31	24.07	11.32	-98.44	-307.49	6.36	1,145.95	1,120.80	25.15	45.560		
5,100.00	4,915.14	4,895.89	4,877.82	24.08	11.35	-98.48	-308.24	6.00	1,146.44	1,121.23	25.21	45.472		
5,208.86	5,024.00	5,000.35	4,982.08	24.18	11.59	-98.75	-314.06	3.24	1,150.20	1,124.55	25.65	44.848		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



Great White Directional Services, LLC

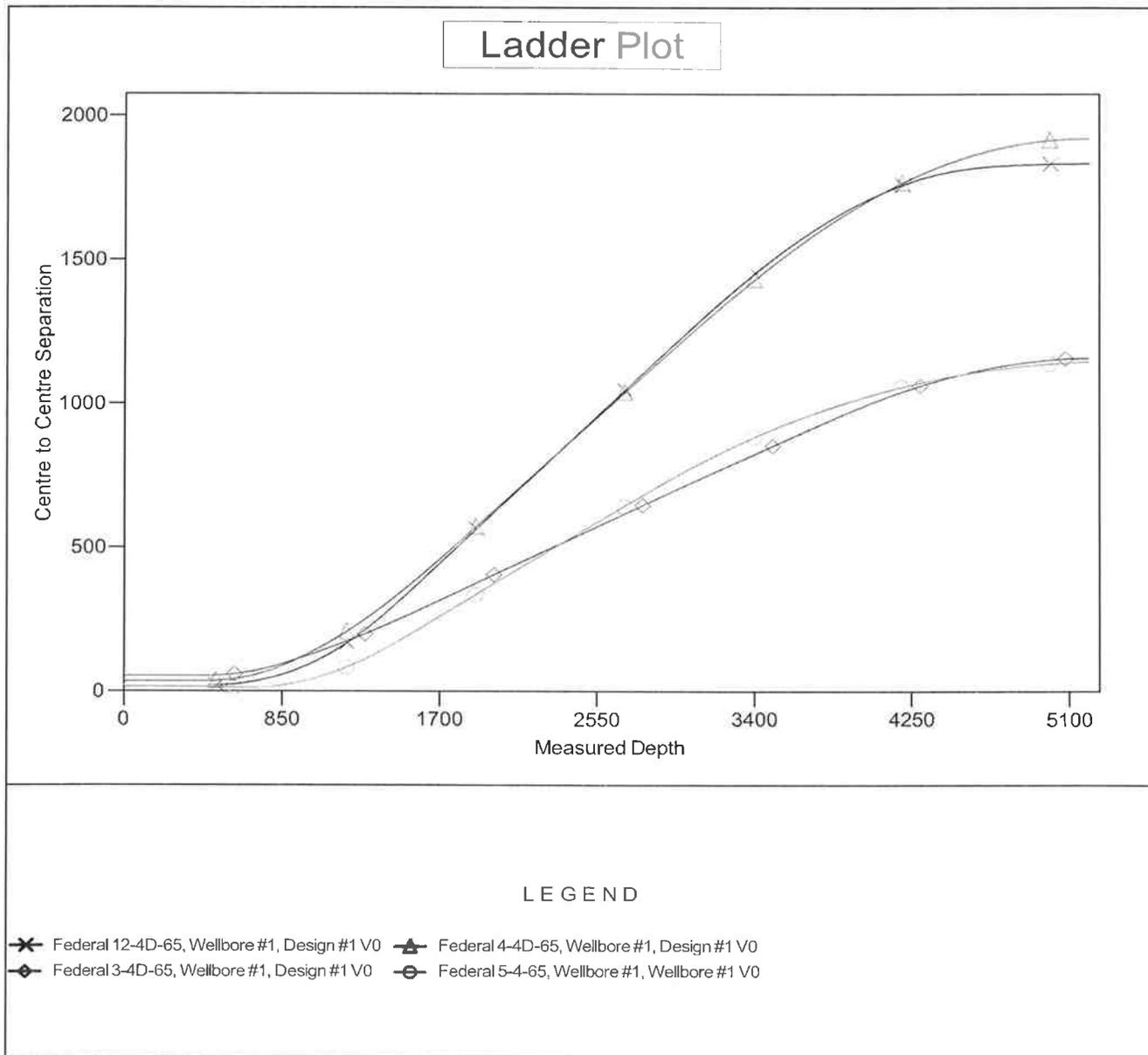
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0,00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2,00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000,1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to WELL @ 6793.00usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 111° 30' 0.000 W

Coordinates are relative to: Federal 6-4D-65  
 Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302  
 Grid Convergence at Surface is: 0.67°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



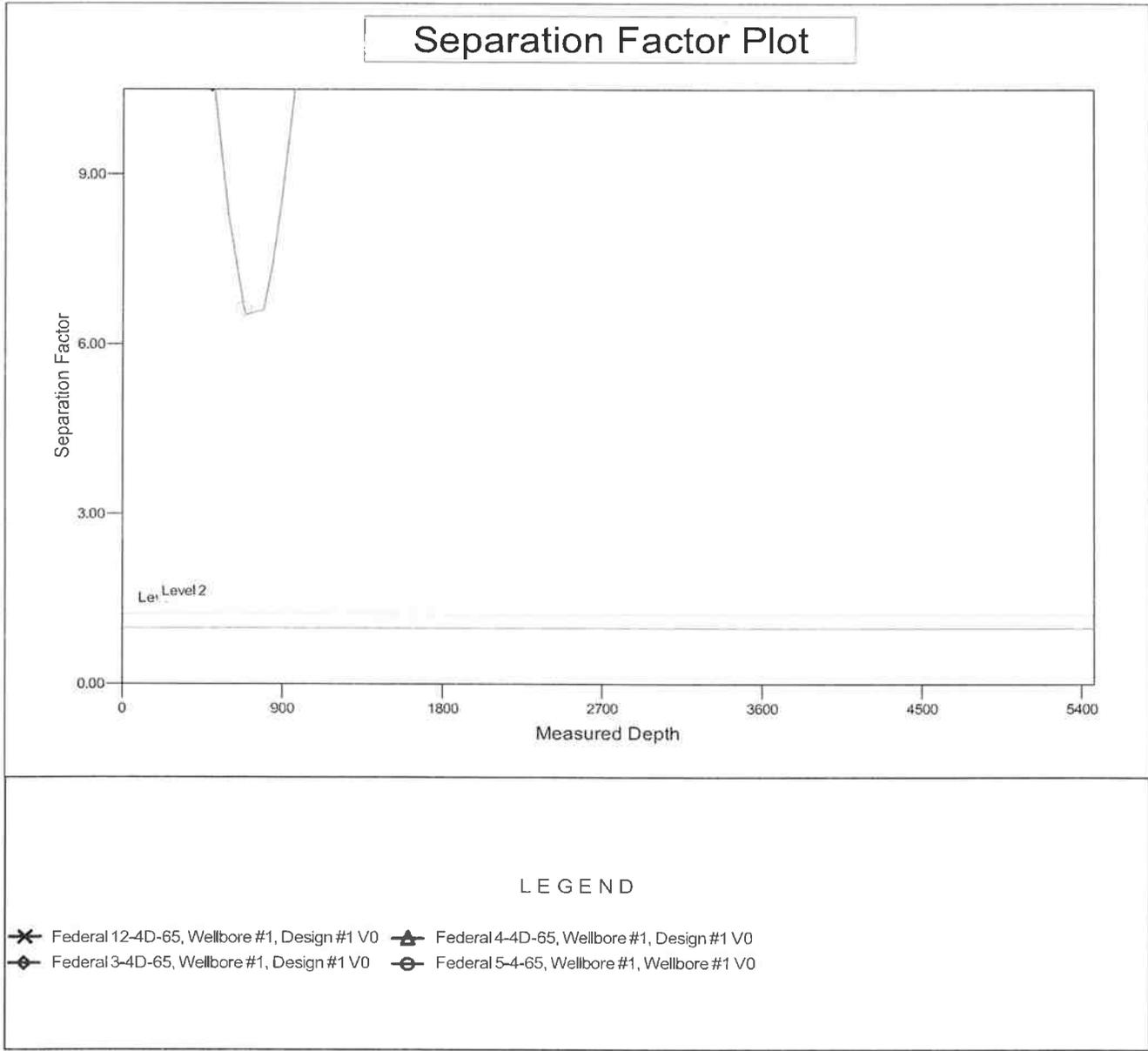
**Great White Directional Services, LLC**  
Anticollision Report



<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Reference Site:</b>	Sec.4-T6S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Wellbore #1	<b>Database:</b>	EDM 5000.1 EDMDBBW
<b>Reference Design:</b>	Design #1	<b>Offset TVD Reference:</b>	Reference Datum

Reference Depths are relative to WELL @ 6793.00usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 111° 30' 0.000 W

Coordinates are relative to: Federal 6-4D-65  
 Coordinate System is US State Plane 1927 (Exact solution), Utah Central 4302  
 Grid Convergence at Surface is: 0.67°





# Berry Petroleum Company

Brundage Canyon Field

4000 South 4028 West

Rt. 2 Box 7755

Roosevelt, UT 84066

Ph: (435) 722-1325

Fax: (435) 722-1321

www.bry.com

May 18, 2011

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84115-5801

Re: Directional Drilling R649-3-11  
FEDERAL 6-4D-65 1,828' FNL, 842' FWL (SWNW) (surface)  
1,980' FNL, 1,980' FWL (SENW) (bottomhole)  
Section 4, T6S-R5W  
Duchesne, County, Utah

Pursuant to the filing of Berry Petroleum's Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The FEDERAL 6-4D-65 well is to be located within the Brundage Canyon Field Area.
- Berry is locating the well at the surface location and directionally drilling from this location to minimize surface disturbance and Berry will be able to utilize the existing road and pipelines in the area.
- Furthermore, Berry hereby certifies that it is the sole working interest owner with 460 feet of the entire directional well bore and the remainder of the Ute Tribal section.

Therefore, based on the above stated information Berry Petroleum Company requests the permit be granted pursuant to R649-3-11.

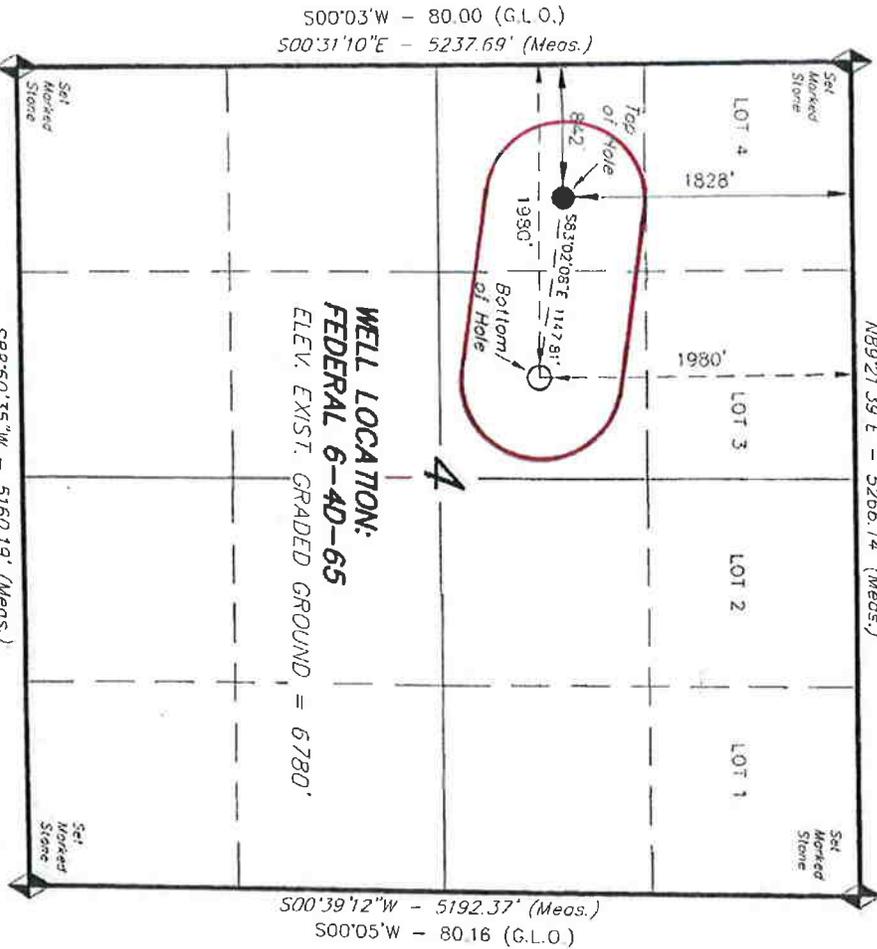
Respectfully Submitted,

Kathy K. Fieldsted  
Regulatory & Permitting Specialist

# T6S, R5W, U.S.B.&M.

## BERRY PETROLEUM COMPANY

WELL LOCATION, FEDERAL 6-4D-65,  
 LOCATED AS SHOWN IN THE SW 1/4 NW  
 1/4 OF SECTION 4, T6S, R5W, U.S.B.&M.,  
 DUCHESENE COUNTY, UTAH.

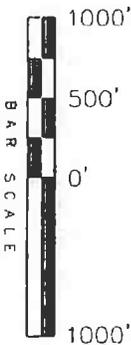


◆ = SECTION CORNERS LOCATED

BASIS OF ELEV.: Elevations are based on a bench mark located in the SW 1/4 of Section 9, T5S, R4W, U.S.B.&M. Elev. 6097'

S88°50'35"W - 5160.19' (Meas.)  
 N89°51'W - 80.04 (G.L.O.)

NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°59'27.58"	(39.990964)
LONGITUDE = 110°27'32.49"	(110.459025)
NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°59'27.72"	(39.991032)
LONGITUDE = 110°27'29.94"	(110.458315)
NAD 83 (BOTTOM HOLE LOCATION)	
LATITUDE = 39°59'26.05"	(39.990578)
LONGITUDE = 110°27'17.89"	(110.454967)
NAD 27 (BOTTOM HOLE LOCATION)	
LATITUDE = 39°59'26.22"	(39.990615)
LONGITUDE = 110°27'18.33"	(110.454257)



- Note:
- Bearings are based on global positioning satellite observations.
  - Footages are measured at right angles to the section lines.

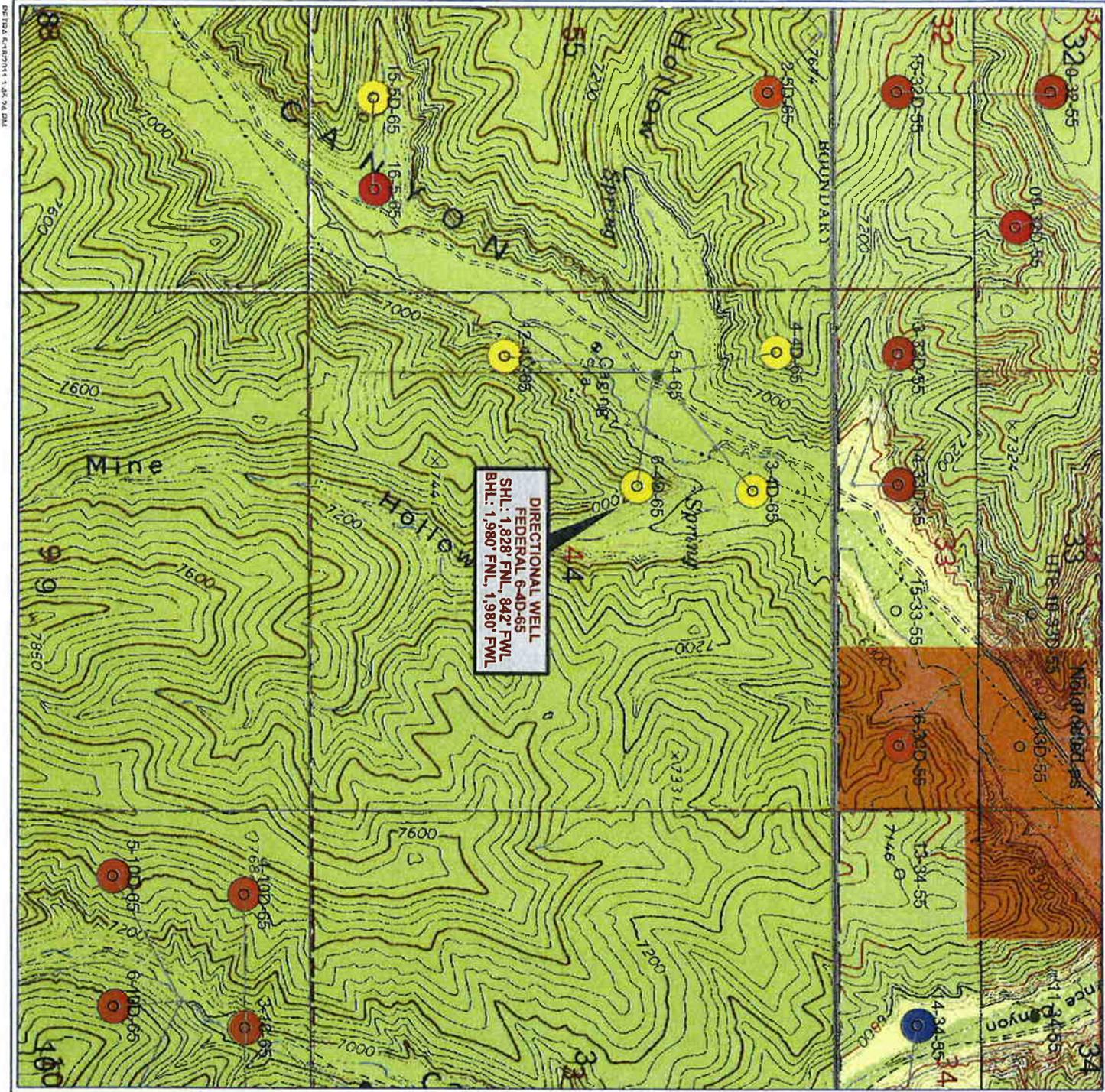


THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD SURVEYS MADE BY ME OR UNDER MY SUPERVISION THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE

STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 STATE OF UTAH  
 No. 189377



<b>TRI STATE LAND SURVEYING &amp; CONSULTING</b>	
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078	
(435) 781-2501	
DATE SURVEYED: 04-07-11	SURVEYED BY: SH.
DATE DRAWN: 04-19-11	DRAWN BY: L.C.S.
REVISED:	SCALE: 1" = 1000'



**BERRY PETROLEUM COMPANY**

**Brundage Canyon Project**

**FEDERAL 6-4D-65**

**Directional Drilling Location Plat**

Sec. 4 T6S R5W - Duchesne Co. UT



**ATTRIBUTE MAP**

	Approved
	W/O Arch
	W/O BIA
	W/O Drisite
	W/O Plans
	W/O State
	W/O Sur Agmt
	W/O Survey
	Working on APD

**WELL SYMBOLS**

	Location Only
	Oil Well

May 18, 2011



May 18, 2011

# Berry Petroleum Company

Brundage Canyon Field

4000 South 4028 West

Rt. 2 Box 7755

Roosevelt, UT 84066

Ph: (435) 722-1325

Fax: (435) 722-1321

[www.bry.com](http://www.bry.com)

State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

Re: Oil and Gas Conservation General Rules  
R649-3-3 Exception to Location and Siting of Wells.  
FEDERAL 6-4D-65

Gentlemen:

Berry Petroleum Company is proposing to drill a development well in the Brundage Canyon Field, Duchesne County, Utah. The well is located on lands within the Ashley National Forest. A copy of the Federal Application for Permit to Drill (APD) is attached for your review. This APD has been submitted to the Bureau of Land Management (BLM) in Vernal.

As shown on the attached staking plat, the proposed location for the FEDERAL 6-4D-65 well is a directional well in which the upper part of the objective section (uppermost Douglas Creek) falls outside of the allowed standard well spacing (R649-3-2). Berry is requesting an exception to the spacing requirement per regulation R649-3-3 since Berry was unable to locate the proposed well within the allowed spacing "window" due to topographic constraints. To maintain orderly 40 acre spacing and efficient well drainage, the well had to be drilled as a directional well from the existing Federal 5-4-65 and the proposed 3-4D-65, 4-4D-65 and the 12-4D-65 surface locations. The rather long reach required of the well forced the uppermost part of the Douglas Creek objective section and the BHL to be placed outside of the spacing "window

In accordance with R649-3-3, Berry is providing a copy of the staking plat showing the proposed location in relation to the allowed spacing "window" and all tracts contacted by a circle with a radius of 460'. A second plat is also attached showing the actual or recently proposed location for all direct or diagonal offsetting wells. As to the 460' radius circle, Berry is also the operator of the adjacent NE1/4 of section 4 of T6S-R5W.

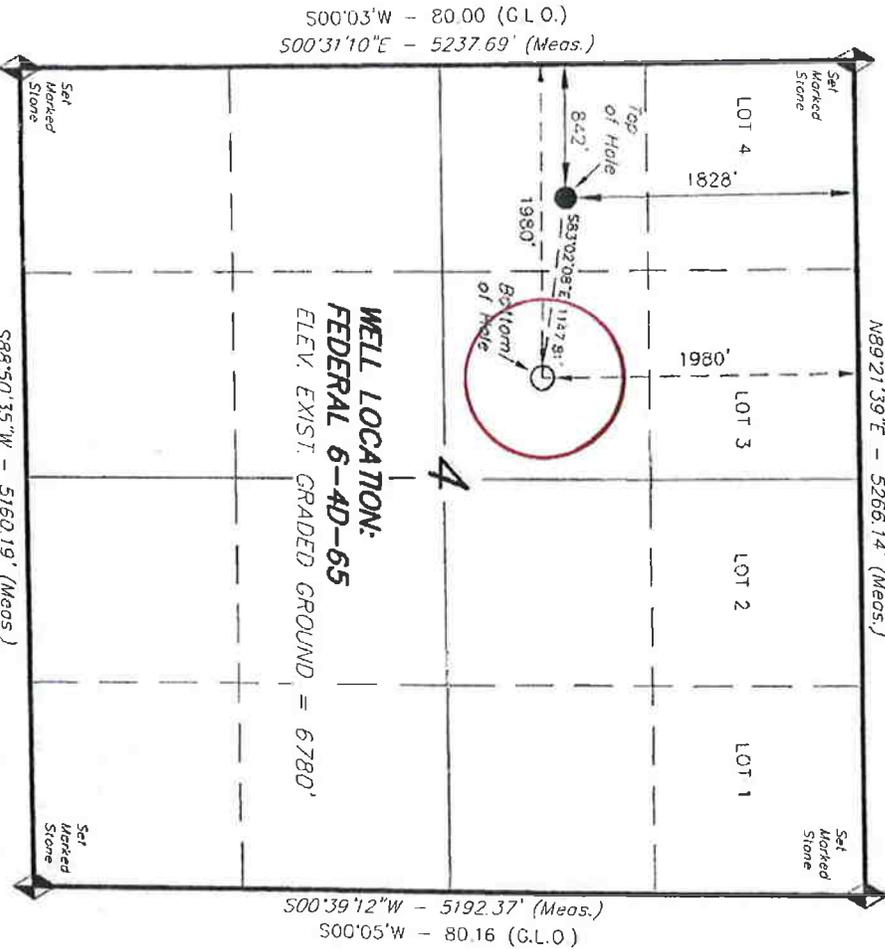
Berry is requesting approval of this excepted location as proposed. If additional information is required, please contact Dan Anderson at (303) 999-4400.

Sincerely,

Kathy K. Fieldsted  
Sr. Regulatory & Permitting Technician

**T6S, R5W, U.S.B.&M.**

S89°58'E - (G.L.O.)  
N89°21'39"E - 5266.14' (Meas.)



500'03"W - 80.00 (G.L.O.)  
500'31'10"E - 5237.69' (Meas.)

500'39'12"W - 5192.37' (Meas.)  
500'05"W - 80.16 (G.L.O.)

**WELL LOCATION:  
FEDERAL 6-4D-65**  
ELEV. EXIST. GRADED GROUND = 6780'

◆ = SECTION CORNERS LOCATED

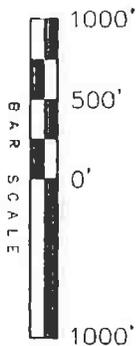
BASIS OF ELEV.: Elevations are based on a bench mark located in the SW 1/4 of Section 9, T5S, R4W, U.S.B.&M. Elev. 6097'

S88°50'35"W - 5160.19' (Meas.)  
N89°51"W - 80.04 (G.L.O.)

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	LONGITUDE = 110°27'32.49" (110.459051)
<b>MAD 27 (SURFACE LOCATION)</b>	LATITUDE = 39°59'27.72" (39.991032)
	LONGITUDE = 110°27'29.84" (110.458315)
<b>MAD 83 (BOTTOM HOLE LOCATION)</b>	LATITUDE = 39°59'26.08" (39.990578)
	LONGITUDE = 110°27'17.98" (110.454957)
<b>MAD 27 (BOTTOM HOLE LOCATION)</b>	LATITUDE = 39°59'26.22" (39.990516)
	LONGITUDE = 110°27'15.33" (110.454257)

**BERRY PETROLEUM COMPANY**

WELL LOCATION, FEDERAL 6-4D-65, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 0<sup>th</sup> SECTION 4, T6S, R5W, U.S.B.&M. DUCHESENE COUNTY, UTAH.



**Note:**  
1. Bearings are based on global positioning satellite observations  
2. Footages are measured at right angles to the section lines.

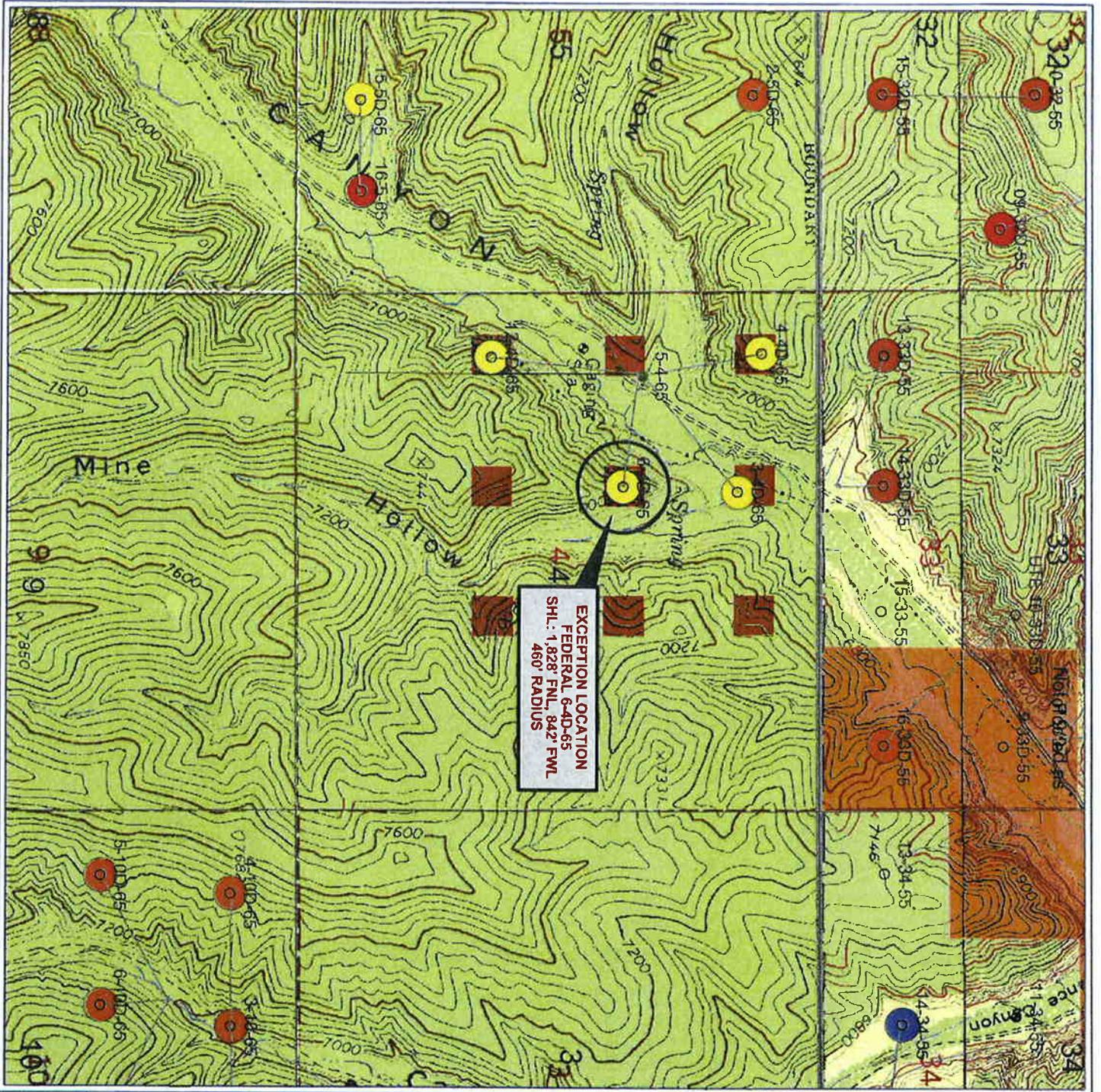


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DATE: 04-19-11

**STACY W. STEWART**  
REGISTERED LAND SURVEYOR  
NO. 189377  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**  
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
(435) 781-2501

DATE SURVEYED:	04-07-11	SURVEYED BY:	S.H.
DATE DRAWN:	04-19-11	DRAWN BY:	LCS
REVISED:		SCALE:	1" = 1000'



**EXCEPTION LOCATION**  
 FEDERAL 6-4D-65  
 SHL: 1,828' FNL, 842' FWL  
 460' RADIUS

**BERRY PETROLEUM COMPANY**

**Brundage Canyon Project**

**FEDERAL 6-4D-65**

**Exceptional Drilling Location Plat**

Sec. 4 T6S R5W - Duchesne Co, UT



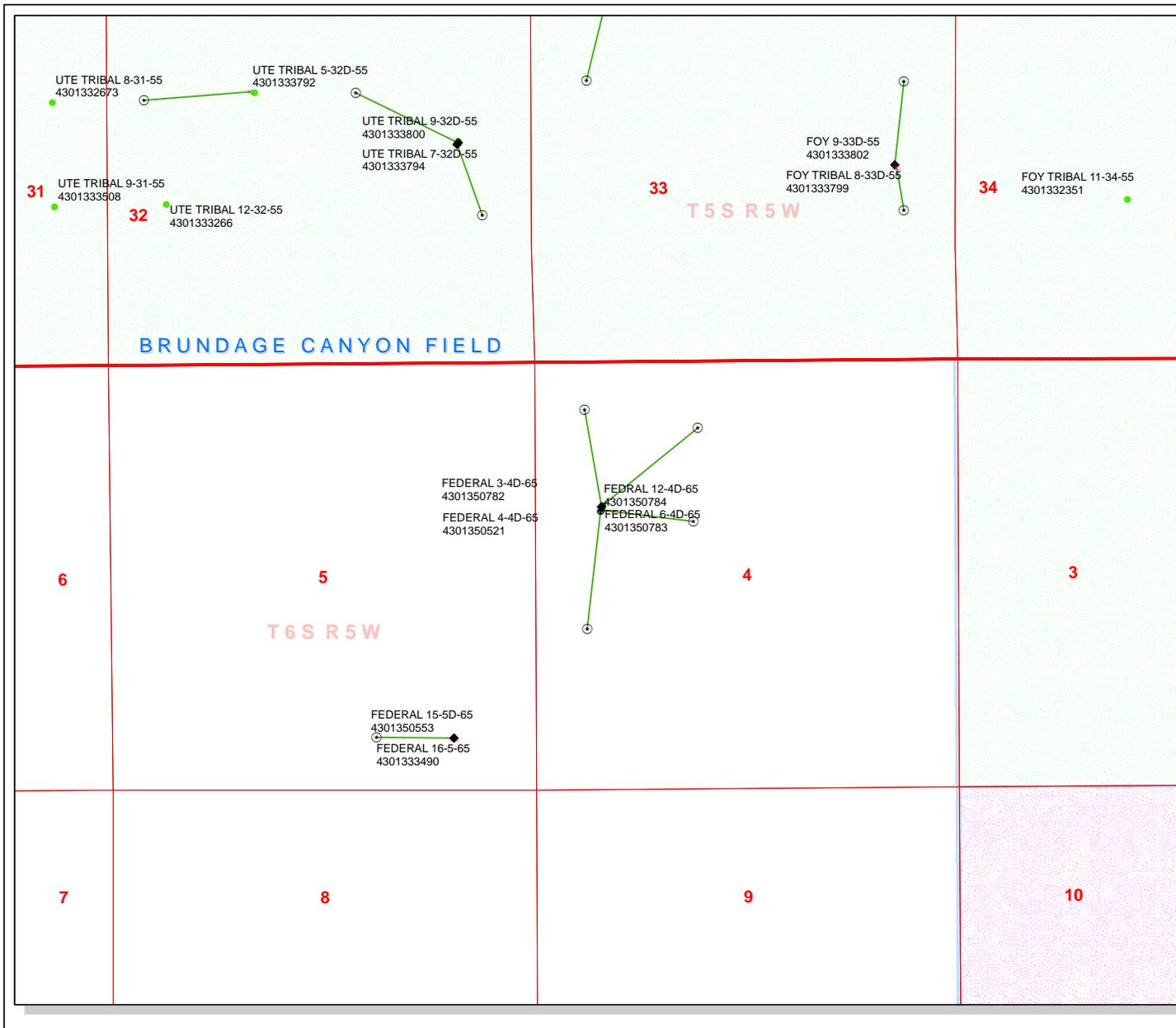
**ATTRIBUTE MAP**

- Approved
- W/O Arch
- W/O BIA
- W/O Onsite
- W/O Plats
- W/O State
- W/O Sur Agmt
- W/O Survey
- Working on APD

**WELL SYMBOLS**

- Location Only
- Oil Well

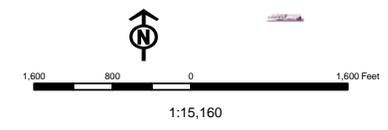
May 18, 2011



**API Number: 4301350783**  
**Well Name: FEDERAL 6-4D-65**  
**Township T0.6 . Range R0.5 . Section 04**  
**Meridian: UBM**  
**Operator: BERRY PETROLEUM COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- |               |                                    |
|---------------|------------------------------------|
| <b>Units</b>  | <b>Wells Query</b>                 |
| <b>STATUS</b> | <b>Status</b>                      |
| ACTIVE        | APD - Approved Permit              |
| EXPLORATORY   | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE   | GIW - Gas Injection                |
| NF PP OIL     | GS - Gas Storage                   |
| NF SECONDARY  | LA - Location Abandoned            |
| PI OIL        | LOC - New Location                 |
| PP GAS        | OPS - Operation Suspended          |
| PP GEOTHERML  | PA - Plugged Abandoned             |
| PP OIL        | PGW - Producing Gas Well           |
| SECONDARY     | POW - Producing Oil Well           |
| TERMINATED    | RET - Returned APD                 |
| <b>Fields</b> | SGW - Shut-in Gas Well             |
| <b>STATUS</b> | SOW - Shut-in Oil Well             |
| Unknown       | TA - Temp. Abandoned               |
| ABANDONED     | TW - Test Well                     |
| ACTIVE        | WDW - Water Disposal               |
| COMBINED      | WIW - Water Injection Well         |
| INACTIVE      | WSW - Water Supply Well            |
| STORAGE       |                                    |
| TERMINATED    |                                    |
| Sections      |                                    |
| Township      |                                    |



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 5/23/2011

**API NO. ASSIGNED:** 43013507830000

**WELL NAME:** FEDERAL 6-4D-65

**OPERATOR:** BERRY PETROLEUM COMPANY (N2480)

**PHONE NUMBER:** 435 722-1325

**CONTACT:** Kathy K. Fieldsted

**PROPOSED LOCATION:** SWNW 04 060S 050W

**Permit Tech Review:**

**SURFACE:** 1828 FNL 0842 FWL

**Engineering Review:**

**BOTTOM:** 1980 FNL 1980 FWL

**Geology Review:**

**COUNTY:** DUCHESNE

**LATITUDE:** 39.99105

**LONGITUDE:** -110.45826

**UTM SURF EASTINGS:** 546250.00

**NORTHINGS:** 4426694.00

**FIELD NAME:** UNDESIGNATED

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU77327

**PROPOSED PRODUCING FORMATION(S):** GREEN RIVER

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

- PLAT
- Bond: FEDERAL - UTB000035
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-11041
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

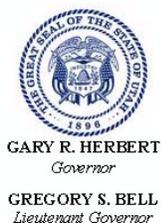
**Commingling Approved**

**LOCATION AND SITING:**

- R649-2-3.
- Unit:**
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No:** R649-3-11
- Effective Date:**
- Siting:**
- R649-3-11. Directional Drill

**Comments:** Presite Completed  
SURF OWNER US FOREST SERVICE:

**Stipulations:** 4 - Federal Approval - dmason  
15 - Directional - dmason  
23 - Spacing - dmason



# 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:** FEDERAL 6-4D-65  
**API Well Number:** 43013507830000  
**Lease Number:** UTU77327  
**Surface Owner:** FEDERAL  
**Approval Date:** 5/26/2011

**Issued to:**

BERRY PETROLEUM COMPANY, 4000 South 4028 West Rt 2 Box 7735, Roosevelt, UT 84066

**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 R649-3-11. The expected producing formation or pool is the GREEN RIVER 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:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**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 at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

**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:**

A handwritten signature in black ink, appearing to read "John Rogers", with a stylized flourish at the end.

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

MAY 23 2011

APPLICATION FOR PERMIT TO DRILL OR REENTER **BLM**

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU77327
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BERRY PETROLEUM COMPANY Contact: KATHY K FIELDSTED E-Mail: kkf@bry.com		7. If Unit or CA Agreement, Name and No.
3a. Address 4000 SOUTH 4028 WEST ROUTE 2 BOX 7735 ROOSEVELT, UT 84066		8. Lease Name and Well No. FEDERAL 6-4D-65
3b. Phone No. (include area code) Ph: 435-722-1325 Fx: 435-722-1321		9. API Well No. <b>43-013-50783</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNW 1828FNL 842FWL At proposed prod. zone SENW 1980FNL 1980FWL		10. Field and Pool, or Exploratory BRUNDAGE CANYON
14. Distance in miles and direction from nearest town or post office* 29		11. Sec., T., R., M., or Blk. and Survey or Area Sec 4 T6S R5W Mer UBM
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 842	16. No. of Acres in Lease 1906.00	12. County or Parish DUCHESNE
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 20	19. Proposed Depth 5208 MD 5027 TVD	13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6779 GL	22. Approximate date work will start 08/10/2011	17. Spacing Unit dedicated to this well 40.00
		20. BLM/BIA Bond No. on file UTB000035
		23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| 1. Well plat certified by a registered surveyor.  | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).    |
| 2. A Drilling Plan.   | 5. Operator certification  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature (Electronic Submission)	Name (Printed/Typed) KATHY K FIELDSTED Ph: 435-722-1325	Date 05/23/2011
Title SR. REG & PERMITTING TECH		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date OCT 07 2011
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Electronic Submission #108878 verified by the BLM Well Information System  
For BERRY PETROLEUM COMPANY, sent to the Vernal  
Committed to AFMSS for processing by ROBIN R. HANSEN on 05/31/2011 ()

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NOTICE OF APPROVAL

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\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

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NOS 4/25/2011



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>Berry Petroleum Company</b>	<b>Location:</b>	<b>SWNW, Sec. 4, T6S, R5W</b>
<b>Well No:</b>	<b>Federal 6-4D-65</b>	<b>Lease No:</b>	<b>UTU-77327</b>
<b>API No:</b>	<b>43-013-50783</b>	<b>Agreement:</b>	<b>N/A</b>

**BLM OFFICE NUMBER: (435) 781-4400**  
**Forest Service Number: (435) 790-3924**

**BLM OFFICE FAX NO.: (435) 781-3420**  
**Forest Service Fax No.: (435) 781-5215**

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Forest Service Environmental Scientist Sherry Fountain)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Forest Service Environmental Scientist Sherry Fountain)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a>
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**Conditions of Approval for Berry Petroleum 19 Directional Wells CE Drilling Proposal**

Roosevelt - Duchesne Districts, Ashley National Forest

Compiled by Sherry Fountain, May 18, 2011

**Introduction**

The following is a list of conditions of approval (COAs), being required by the Ashley National Forest, as part of the approval for specific wells and well pads, and their associated development and production activities. These wells and well pads were proposed for construction and development as part of Berry Petroleum's 19 directional -wells drilling proposal and Surface Use Plan (SUPO), submitted to the Ashley National Forest during the spring of 2011, and being approved by the Ashley National Forest in August 2009. These Conditions of Approval are in connection with, and in addition to, those listed in the Surface Use Plan of Operations (SUPO) submitted by Berry Petroleum for the proposed wells and associated well pads and production equipment.

**List of Well Pads and Wells**

The following is a list of the proposed well pads, and associated wells, which are being approved for constructions and development, and to which these conditions of approval will apply. These wells and well pads are also shown on the map accompanying this document.

<u>Map #</u>	<u>Well Pad Name</u>	<u>Well Name</u>	<u>Legal Location</u>
1	ANF 8-1-64 ANF 1-1D-64	Berry 2-1D-64 Berry 7-1D-64 Berry 9-1D-64	T6S R4W SENE ¼ Section 1 USM.
2	ANF 2-2D-64 ANF 8-2D-64	Berry 1-2D-64 Berry 7-2D-64	T6S R4W NE ¼ Section 2 USM.
3	ANF 5-3-64 ANF 6-3D-64	Berry 4-3D-64 Berry 12-3D-64	T6S R4W SWNW ¼ Section 3 USM.
4	ANF 6-6D-64 ANF 7-6D-64	Berry 10-6D-64	T6S R4W SWNE ¼ Section 6 USM.
5	ANF 6-1-65 ANF 7-1D-65	Berry 2-1D-65 Berry 3-1D-65 Berry 5-1D-65	T6S R5W SENW ¼ Section 1 USM.
6	ANF 2-2-65 ANF 1-2D-65	Berry 8-2D-65	T6S R5W NWNE ¼ Section 2 USM.

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7	ANF 10-2-65 ANF 7-2D-65	Berry 9-2D-65 Berry 11-2D-65 Berry 15-2D-65	T6S R5W NWSE ¼ Section 2 USM.
8	ANF 5-4-65	Berry 3-4D-65 Berry 4-4D-65 Berry 6-4D-65 Berry 12-4D-65	T6S R5W SWNW ¼ Section 4 USM

### General Conditions of Approval

These Conditions of Approval apply to all the wells and well pads listed above. These wells will be drilled on existing well pads. No new construction of the pad or road access is authorized.

#### *Vegetation Resources*

- To reduce the spread/introduction of noxious and invasive weed species via project-related vehicles and equipment into the Project Area, Berry and its contractors will power-wash all construction equipment and vehicles prior to the start of construction.
- Berry will implement a weed control program. Weed control will be conducted through an Approved Pesticide Use and Weed Control Plan from the Authorized Officer. Weed monitoring and reclamation measures will be continued on an annual basis (or as frequently as the Authorized Officer determines) throughout the 30 year life of the project. Berry will reseed all portions of well pads and access and pipeline ROW not being utilized for the project operations, as well as any disturbed sites within the Project Area determined necessary by the USFS. Reseeding will be accomplished using native plant species, and as directed by the Forest Service.

#### *Wildlife Protection*

- Prior to any surface disturbing activity between April 30 and August 31, Berry or their contractor, in coordination with a USFS Biologist, will survey all areas within 0.25 mile of proposed surface disturbance for the presence of raptor nests. If occupied/active raptor nests are found, construction would not occur during the critical nesting season for that species within the species-specific spatial buffer, unless the nest is obscured from visual or noise-related impacts through vegetative or topographic screening. USFS biologists would determine spatial buffers based on site-specific vegetative and topographic features within the vicinity of occupied nests.
- Well pad and road construction, roads upgrading, and drilling operations will not be conducted between November 15 and April 30, to protect elk winter range.

#### *Paleontology*

- Well pads or road construction activities involving excavation of bedrock must be monitored by a qualified Paleontologist. If significant paleontological resources are discovered or observed,

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construction activities would be halted and the USFS notified. Operations in the area of the discovery (well pad or road or pipeline in question) would not resume until authorization to proceed has been received from the Forest Service.

### *Cultural Resources*

- If cultural resources are inadvertently discovered, construction activities would be halted and the Forest Service notified. Operations in the area of the discovery (well pad or road or pipeline in question) would not resume until authorization to proceed has been received from the Forest Service.
- All personnel involved in construction, operation and maintenance of the facilities described in the APD will sign and follow the "Archaeological Rules and Restrictions for Berry Petroleum Oil and Gas Development on Ashley National Forest Lands."
- If previously unknown cultural resources are encountered or disturbed during the project, the applicant will cease activities within 100ft/30m of the discovery and will contact Ashley National Forest for evaluation of the discovery.

### *Access Roads*

- Construction or upgrading of roads will not be allowed during muddy or frozen conditions. Should mud holes develop in access roads, they would be filled in with appropriate materials. Detours around mud holes are not allowed.
- Where road developments cross existing cattle fences, cattle guards will be installed and fences will be repaired to functioning condition.
- As needed, Berry will apply water to utilized roads to reduce fugitive dust from vehicle traffic. If water application does not adequately reduce fugitive dust, the use of Magnesium Chloride (MgCl) or other dust-abatement treatments may be required.
- Road drainage crossings for new or upgraded roads will be designed, and maintained for the life of the project, such that drainages are not blocked by road crossings, and so the road crossings do not cause erosion or siltation within the drainages being crossed.

### *Pipelines*

- Where possible, pipelines will be buried along areas where surface pipelines would be at risk from environmental hazards (stream crossings, debris flow fans, etc.).

### *Soils / Water / Floodplains / Wetlands*

- Vegetation and/or structural measures to control erosion will be implemented as soon as possible after initial soil disturbance to prevent erosion of disturbed soils.
- Energy dissipaters such as straw bales and silt fences may be required to prevent excess erosion of soils from disturbed areas into adjacent surface waters or floodplains. These structures would be installed during construction, and would be left in place and maintained for the life of the project or until the disturbed slopes have revegetated and stabilized.

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### *Air Quality*

- The Operator will use drill rigs that meet the U.S. Environmental Protection Agency (EPA) Tier II emission standards or better for the LOP.
- The Operator will install pump jack engines that meet the applicable New Source Performance Standards (NSPS) emission limits for pump jack engines.
- The Operator will install emission controls on condensate tank batteries and dehydrators with control efficiencies of greater than 95%.
- The Operator will test the efficiency of controls annually to ensure that flaring/combustors meet >90% efficiency.

### *Noise*

- Pump jack engines will be equipped with high grade mufflers to reduce noise during the operational life of the project.

### *Reserve Pit or Closed Loop*

- All pits containing materials that might be hazardous to wildlife would be covered with steel mesh screen or netting to prevent entry by migratory birds, bats, or other wildlife species.
- The reserve pit will be lined with 20 mil synthetic reinforced material. The liner will overlay a felt liner pad which would protect the liner from punctures if rock is encountered during excavation.
- Transport the cuttings off-site and off-Forest for disposal at an appropriate and approved disposal facility.
- Bury the cuttings on-site, with at least 3 feet of cover materials, in a constructed pit within the cut portion of the well pad. While not optimal, this would effectively remove the cuttings materials from the surface, and from surface runoff, and minimize potential impacts to other surface resources. The disposal pit must be constructed within the cut (not fill) portion of the well pad to ensure the cuttings are not re-exposed at the surface during final well pad reclamation.
- Return to using reserve pits, as described and analyzed in the original approval for your current drilling operations.

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**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Production casing cement shall be brought up and into the surface.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

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- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

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BLM VERNAL FIELD OFFICE

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

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DIVISION OF OIL AND GAS

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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.	
<b>1. TYPE OF WELL</b> Oil Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U	<b>8. WELL NAME and NUMBER:</b> FEDERAL 6-4D-65
<b>PHONE NUMBER:</b> 303 999-4044 Ext	<b>9. API NUMBER:</b> 43013507830000
<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON	<b>COUNTY:</b> DUCHESNE
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/1/2012	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

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

BERRY PETROLEUM RESPECTFULLY REQUESTS THAT THE APPROVED APD FOR THE FEDERAL 6-4D-65 BE EXTENDED FOR THE PERIOD OF ONE YEAR.

Approved by the Utah Division of Oil, Gas and Mining

Date: April 02, 2012

By:

<b>NAME (PLEASE PRINT)</b> Kathy K. Fieldsted	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Sr. Regulatory & Permitting Tech.
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/29/2012	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013507830000**

API: 43013507830000

Well Name: FEDERAL 6-4D-65

Location: 1828 FNL 0842 FWL QTR SWNW SEC 04 TWNP 060S RNG 050W MER U

Company Permit Issued to: BERRY PETROLEUM COMPANY

Date Original Permit Issued: 5/26/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Kathy K. Fieldsted

Date: 3/29/2012

Title: Sr. Regulatory & Permitting Tech. Representing: BERRY PETROLEUM COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>7. UNIT or CA AGREEMENT NAME:</b>	<b>8. WELL NAME and NUMBER:</b> FEDERAL 6-4D-65
<b>1. TYPE OF WELL</b> Oil Well	<b>9. API NUMBER:</b> 43013507830000
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY	<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	<b>PHONE NUMBER:</b> 303 999-4044 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U	<b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

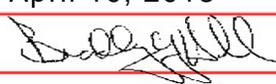
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/8/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Berry Petroleum hereby requests a one (1) year extension of the State APD for the referenced well.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** April 10, 2013  
**By:** 

<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/8/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43013507830000**

API: 43013507830000

Well Name: FEDERAL 6-4D-65

Location: 1828 FNL 0842 FWL QTR SWNW SEC 04 TWNP 060S RNG 050W MER U

Company Permit Issued to: BERRY PETROLEUM COMPANY

Date Original Permit Issued: 5/26/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Krista Mecham

Date: 4/8/2013

Title: Regulatory Permitting Tech Representing: BERRY PETROLEUM COMPANY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**RECEIVED**

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

APR 08 2013

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**BLM**

5. Lease Serial No.  
UTU77327

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
FEDRAL 6-4D-65

9. API Well No.  
43-013-50783

10. Field and Pool, or Exploratory  
BRUNDAGE

11. County or Parish, and State  
DUCHESNE COUNTY, UT

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
BERRY PETROLEUM COMPANY  
Contact: KRISTA MECHAM  
E-Mail: kmm@bry.com

3a. Address  
4000 SOUTH 4028 WEST RT 2 BOX 7735  
ROOSEVELT, UT 84066

3b. Phone No. (include area code)  
Ph: 435-722-1325

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 4 T6S R5W Mer UBM SWNW 1828FNL 842FWL

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Berry Petroleum hereby requests a two (2) year extension of the Federal/BLM APD for the Federal 6-4D-65.

MAY 09 2013

**VERNAL FIELD OFFICE**

ENG. RJM 4/22/13

GEOL. \_\_\_\_\_

E.S. \_\_\_\_\_

PET. \_\_\_\_\_

RECL. \_\_\_\_\_

CONDITIONS OF APPROVAL ATTACHED

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

**Electronic Submission #203793 verified by the BLM Well Information System For BERRY PETROLEUM COMPANY, sent to the Vernal Committed to AFMSS for processing by BOBBI SCHROEDER on 04/10/2013 ()**

Name (Printed/Typed) KRISTA MECHAM Title SR. REGULATORY, PERMITTING TECH

Signature (Electronic Submission) Date 04/08/2013

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By [Signature] Assistant Field Manager  
Title Lands & Mineral Resources Date **APR 22 2013**

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office **VERNAL FIELD OFFICE**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**UDOGM**

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***

13R 15D 737SE

# CONDITIONS OF APPROVAL

## Berry Petroleum Company

### Notice of Intent APD Extension

**Lease:** UTU-77327  
**Well:** Federal 6-4D-65  
**Location:** SWNW Sec 4 T6S R5W

An extension for the referenced APD is granted with the following conditions:

---

1. The extension and APD shall expire on 10/07/2015.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 6-4D-65
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY	<b>9. API NUMBER:</b> 43013507830000
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	<b>PHONE NUMBER:</b> 303 999-4044 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/12/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Berry Petroleum requests to **deepen** the Federal 6-4D-65 to a new TD of 5814'. An updated drilling procedure and **directional** are attached. Also, in accordance with UDOGM Rule R649-3-22, Completion into Two or More Pools, Berry is requesting to **comingle** the Wasatch and Green River Formations, a comingle plat and affidavit are attached.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining**

**Date:** August 09, 2013  
**By:** Dark Quif

<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/12/2013	

BERRY PETROLEUM COMPANY  
Federal 6-4D-65  
Section 4, T6S, R5W, U.S.B.&M.  
Surface: 1828' FNL & 842' FWL (SW/4NW/4)  
BHL: 1980' FNL & 1980' FWL (SE/4NW/4)  
Duchesne County, Utah

ONSHORE ORDER NO. 1

DRILLING PROGRAM

**A,B Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

<b>FORMATION</b>	<b>DRILL DEPTH * @ SHL (TVD)</b>	<b>DRILL DEPTH* @ BHL (TVD)</b>	<b>Measured Depth</b>
Uinta Fm	Surface	Surface	
Green River	453'	470'	453'
Green River Upper Marker	1013'	1029'	1017'
Mahogany	1601'	1619'	1638'
Tgr3	2603'	2624'	2742'
*Douglas Creek	3360'	3373'	3548'
Black Shale	3949'	3968'	4145'
*Castle Peak	4256'	4277'	4455'
*Uteland Butte	4681'	4697'	4881'
*Wasatch	4914'	4924'	5114'
CR-4	5564'	5574'	5764'
TD	5614'	5624'	5814'
Base of Moderate Saline Water	4263'	4059'	

\*PROSPECTIVE PAY

**Berry is locating the well at the proposed surface location and directionally drilling to the proposed bottom hole location. By drilling directionally, Berry Petroleum Company will improve field development efficiency by potentially combining multiple surface hole locations together. This will significantly reduce total surface disturbance plus combine the use of access roads and existing pipelines.**

**Furthermore, Berry hereby certifies that it is the sole working interest owner with 460 feet of the entire directional well bore.**

**C Pressure Control Equipment : (Schematic Attached)**

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc. A 3M system will be utilized. The attached diagram depicts the use of an annular in conjunction with double rams. However, an annular, double rams or both may be used depending on the drilling rig contracted.

Chart recorders will be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a representative upon request.

Mud volumes will be monitored visually.

Upper and Lower Kelly cocks will be utilized.

A gas buster will be utilized, if necessary.

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 350'	No Pressure Control
350' – 5814'	11" 3000# Ram Type BOP 11" 3000# Annular BOP

**D,E Proposed Casing and Cementing Program**

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Type</u>	<u>Connection</u>	<u>Weight</u>
Surface	350'	12.25"	8.625"	J-55	ST&C	24#
Production	5814'	7.875"	5.50"	J-55	LT&C	15.5#

<u>Surface</u>	<u>Type &amp; Amount</u>
----------------	--------------------------

0' – 350' Approximately 225 SX Premium Plus (Class G) + additives or a similar slurry with a minimum weight of 15.8 #/gal and approximate yield of 1.15 cuft/sx, minimum 24 hr compressive strength = 500 psi (Cement will be circulated to surface and topped off, if necessary).

<u>Production</u>	<u>Type &amp; Amount</u>
-------------------	--------------------------

0' – 3500' Lead: +/- 200 SX Premium Type V + additives or similar slurry with a minimum weight of 11.0 #/gal and approximate yield of 3.82 cuft/sx

3500' – 5814' Tail: +/- 290 SX Premium Lite Tail + additives or similar slurry with a minimum weight of 13.1 #/gal and approximate yield of 1.70cuft/sk.

For production casing, actual cement volumes will be determined from the caliper log plus a minimum of 15% excess.

**F Drilling Fluids Program**

Interval	Weight	Viscosity	Fluid Loss	Remarks
0' – 350'	8.4 – 9.5	27	NC	DAP Mud
350'–5814'	8.4 – 9.5	27	NC	DAP Water

**G Evaluation Program**

Logging Program:	HRI-GR-SP with SDL-DSN-PE: surface casing to TD. Preserve samples from all show intervals.
Sampling:	10' dry cut samples: Douglas Creek to TD. Preserve samples From all show intervals.
Surveys:	As deemed necessary
Mud Logger:	As deemed necessary
Drill Stem Tests:	As deemed necessary
Cores:	As deemed necessary

**H Anticipated Abnormal Pressures or Temperatures**

No abnormal temperatures or pressures or other hazards are anticipated.

Shallow gas and/or water flows are possible below surface casing.

Maximum anticipated bottom hole pressure equals approximately 2872 psi\* and maximum anticipated surface pressure equals approximately 1593\*\*psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

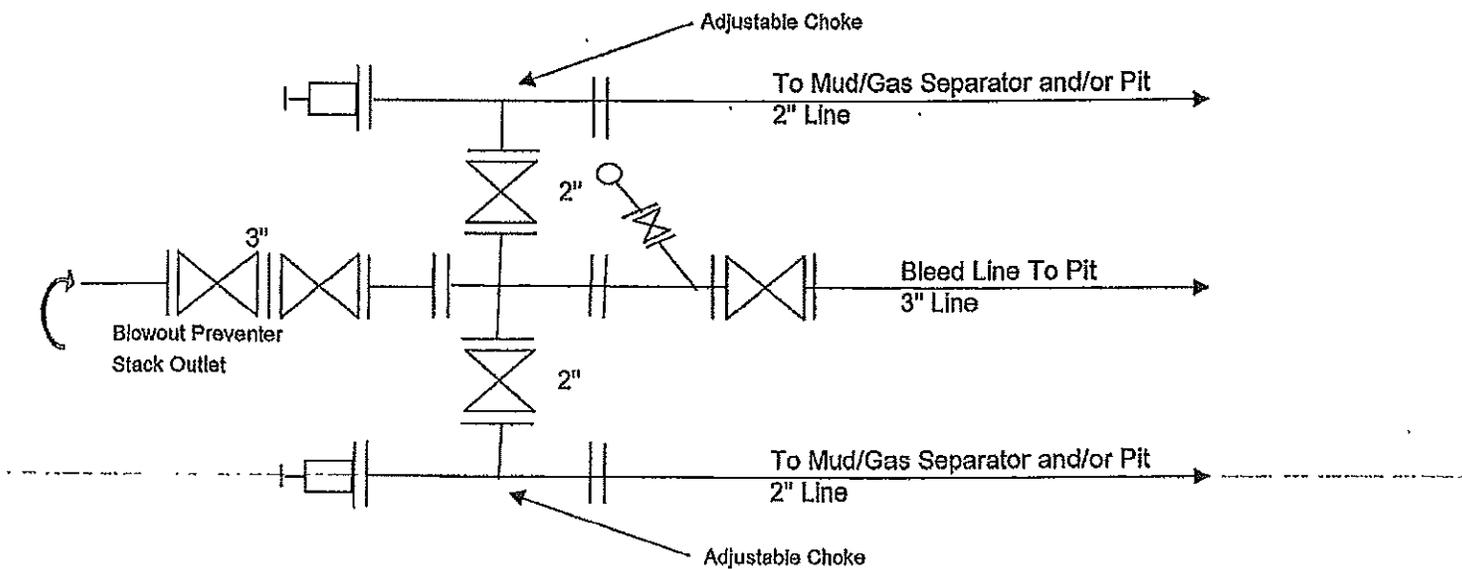
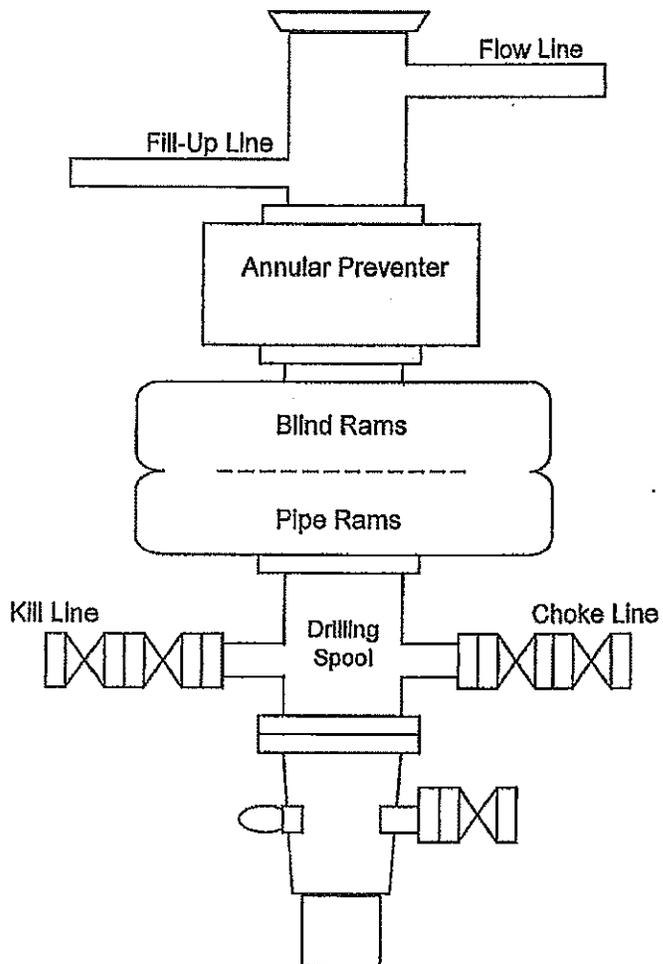
\*\*Maximum surface pressure = A – (0.22xTD)

**I Anticipated Starting Dates and Notification of Operations**

Drilling Activity:

Anticipated Commencement Date:	Upon approval of the APD.
Drilling Days:	Approximately 10 days.
Completion Days:	Approximately 7 days.

### SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



# **Berry Petroleum Company**

**Duchesne County, UT**

**Section 4-T5W-R5W SW 1/4 NW 1/4**

**Federal 6-4D-65**

**Wellbore #1**

**Plan: Design #1**

## **Standard Planning Report**

**10 June, 2013**

**Berry Petroleum Company**  
**Federal 6-4D-65**  
**Duchesne County, UT**



**Geodetic System: US State Plane 1927 (Exact solution)**  
**Zone: Utah Central 4302**  
**WELL @ 6796.0usft (Original Well Elev)**  
**Ground Level: 6779.0**  
**Latitude: 39° 59' 27.720 N**  
**Longitude: 110° 27' 29.940 W**

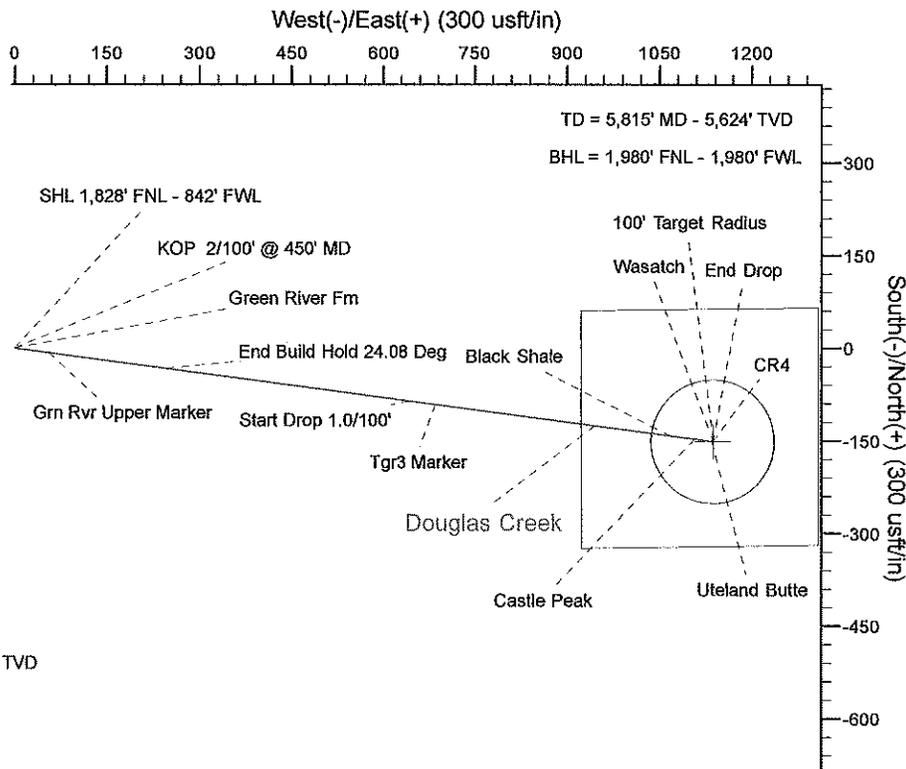
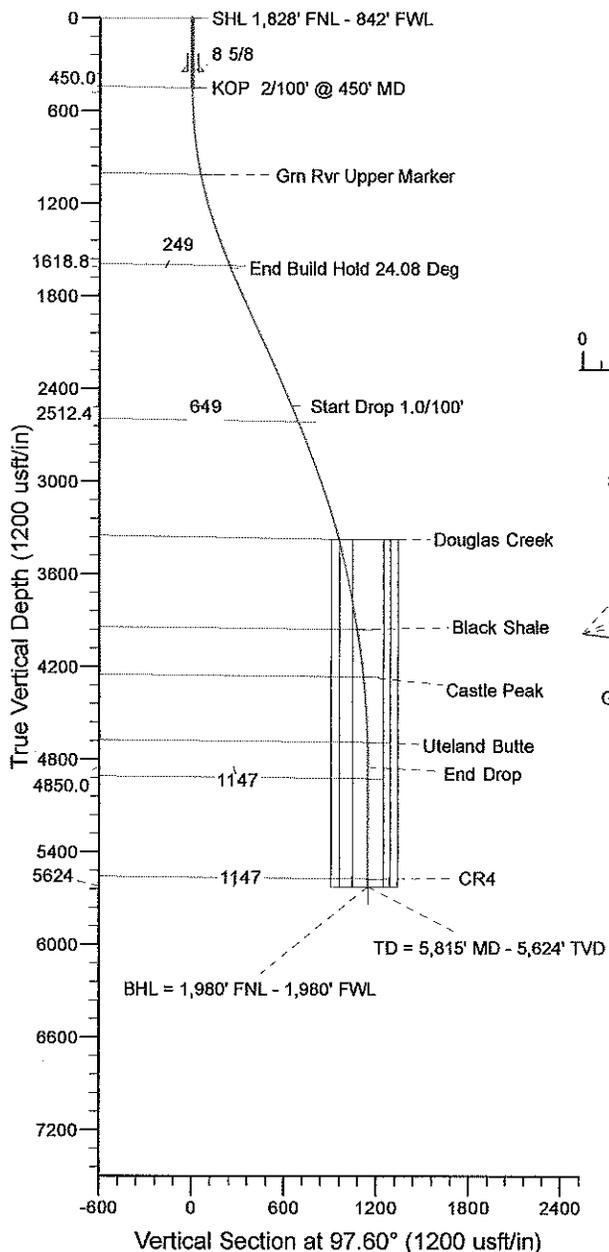


Azimuths to True North  
 Magnetic North: 11.21°  
 Magnetic Field  
 Strength: 51979.0snT  
 Dip Angle: 65.62°  
 Date: 6/10/2013  
 Model: IGRF2010

**Magnetic North is 11.21° East of True North (Magnetic Declination)**

**FORMATION TOP DETAILS**

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	TVDPath	MDPath	Formation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	0.0	0.0	Uinta
450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.0	453.0	453.0	Green River Fm
1653.9	24.08	97.60	1618.8	-33.0	247.1	2.00	97.60	249.3	1013.8	1017.5	Grn Rvr Upper Marker
2632.7	24.08	97.60	2512.4	-85.8	642.9	0.00	0.00	648.6	1604.6	1638.4	Mahogany
5040.5	0.00	0.00	4850.0	-151.7	1137.1	1.00	180.00	1147.1	2613.4	2742.8	Tgr3 Marker
5814.5	0.00	0.00	5624.0	-151.7	1137.1	0.00	0.00	1147.1	3374.3	3548.0	Douglas Creek
									3958.4	4145.3	Black Shale
									4265.8	4455.3	Castle Peak
									4691.0	4881.5	Uteland Butte
									4924.0	5114.6	Wasatch
									5574.0	5764.6	CR4



Plan: Design #1 (Federal 6-4D-65/Wellbore #1)

Created By: Mike Kirby Date: 11:33, June 10 2013  
 Checked: \_\_\_\_\_ Date: \_\_\_\_\_  
 Reviewed: \_\_\_\_\_ Date: \_\_\_\_\_  
 Approved: x Date: x

Planning Report

<b>Database:</b>	Rocky Mountain R5000 Database	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6796.0usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT	<b>MD Reference:</b>	WELL @ 6796.0usft (Original Well Elev)
<b>Site:</b>	Section 4-T5W-R5W SW 1/4 NW 1/4	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Duchesne County, UT		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Section 4-T5W-R5W SW 1/4 NW 1/4				
<b>Site Position:</b>		<b>Northing:</b>	605,478.72 usft	<b>Latitude:</b>	39° 59' 27.720 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,291,851.93 usft	<b>Longitude:</b>	110° 27' 29.940 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.67 °

<b>Well</b>	Federal 6-4D-65					
<b>Well Position</b>	<b>+N-S</b>	0.0 usft	<b>Northing:</b>	605,478.72 usft	<b>Latitude:</b>	39° 59' 27.720 N
	<b>+E-W</b>	0.0 usft	<b>Easting:</b>	2,291,851.93 usft	<b>Longitude:</b>	110° 27' 29.940 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	6,796.0 usft	<b>Ground Level:</b>	6,779.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2010	6/10/2013	(°)	(°)	(nT)
			11.21	65.62	51,979

<b>Design</b>	Design #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N-S</b>	<b>+E-W</b>	<b>Direction</b>	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	97.60	

Plan Sections										
Measured	Inclination	Azimuth	Vertical	+N-S	+E-W	Dogleg	Build	Turn	TFO	Target
Depth	(°)	(°)	Depth	(usft)	(usft)	Rate	Rate	Rate	(°)	
(usft)			(usft)			(°/100usft)	(°/100usft)	(°/100usft)		
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00
1,653.9	24.08	97.60	1,618.8	-33.0	247.1	2.00	2.00	0.00	97.60	
2,632.7	24.08	97.60	2,512.4	-85.8	642.9	0.00	0.00	0.00	0.00	
5,040.5	0.00	0.00	4,850.0	-151.7	1,137.1	1.00	-1.00	0.00	180.00	
5,814.5	0.00	0.00	5,624.0	-151.7	1,137.1	0.00	0.00	0.00	0.00	

Planning Report

<b>Database:</b>	Rocky Mountain R5000 Database	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6796.0usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT	<b>MD Reference:</b>	WELL @ 6796.0usft (Original Well Elev)
<b>Site:</b>	Section 4-T5W-R5W SW 1/4 NW 1/4	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>Uinta</b>										
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>SHL 1,828' FNL - 842' FWL</b>										
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>8 5/8</b>										
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>KOP 2'100' @ 450' MD</b>										
453.0	0.06	97.60	453.0	0.0	0.0	0.0	2.00	2.00	0.00	
<b>Green River Fm</b>										
500.0	1.00	97.60	500.0	-0.1	0.4	0.4	2.00	2.00	0.00	
600.0	3.00	97.60	599.9	-0.5	3.9	3.9	2.00	2.00	0.00	
700.0	5.00	97.60	699.7	-1.4	10.8	10.9	2.00	2.00	0.00	
800.0	7.00	97.60	799.1	-2.8	21.2	21.4	2.00	2.00	0.00	
900.0	9.00	97.60	898.2	-4.7	35.0	35.3	2.00	2.00	0.00	
1,000.0	11.00	97.60	996.6	-7.0	52.2	52.6	2.00	2.00	0.00	
1,017.5	11.35	97.60	1,013.8	-7.4	55.5	56.0	2.00	2.00	0.00	
<b>Grn Rvr Upper Marker</b>										
1,100.0	13.00	97.60	1,094.4	-9.7	72.8	73.4	2.00	2.00	0.00	
1,200.0	15.00	97.60	1,191.5	-12.9	96.8	97.6	2.00	2.00	0.00	
1,300.0	17.00	97.60	1,287.6	-16.6	124.1	125.2	2.00	2.00	0.00	
1,400.0	19.00	97.60	1,382.7	-20.6	154.7	156.1	2.00	2.00	0.00	
1,500.0	21.00	97.60	1,476.6	-25.2	188.6	190.3	2.00	2.00	0.00	
1,600.0	23.00	97.60	1,569.4	-30.1	225.7	227.7	2.00	2.00	0.00	
1,638.4	23.77	97.60	1,604.6	-32.1	240.9	243.0	2.00	2.00	0.00	
<b>Mahogany</b>										
1,653.9	24.08	97.60	1,618.8	-33.0	247.1	249.3	2.00	2.00	0.00	
<b>End Build Hold 24.08 Deg</b>										
1,700.0	24.08	97.60	1,660.9	-35.5	265.7	268.1	0.00	0.00	0.00	
1,800.0	24.08	97.60	1,752.2	-40.9	306.2	308.9	0.00	0.00	0.00	
1,900.0	24.08	97.60	1,843.5	-46.3	346.6	349.7	0.00	0.00	0.00	
2,000.0	24.08	97.60	1,934.8	-51.7	387.0	390.5	0.00	0.00	0.00	
2,100.0	24.08	97.60	2,026.1	-57.0	427.5	431.3	0.00	0.00	0.00	
2,200.0	24.08	97.60	2,117.4	-62.4	467.9	472.1	0.00	0.00	0.00	
2,300.0	24.08	97.60	2,208.7	-67.8	508.4	512.9	0.00	0.00	0.00	
2,400.0	24.08	97.60	2,300.0	-73.2	548.8	553.7	0.00	0.00	0.00	
2,500.0	24.08	97.60	2,391.3	-78.6	589.2	594.5	0.00	0.00	0.00	
2,600.0	24.08	97.60	2,482.6	-84.0	629.7	635.3	0.00	0.00	0.00	
2,632.7	24.08	97.60	2,512.4	-85.8	642.9	648.6	0.00	0.00	0.00	
<b>Start Drop 1.0/100'</b>										
2,700.0	23.41	97.60	2,574.0	-89.4	669.8	675.7	1.00	-1.00	0.00	
2,742.8	22.98	97.60	2,613.4	-91.6	686.5	692.6	1.00	-1.00	0.00	
<b>Tgr3 Marker</b>										
2,800.0	22.41	97.60	2,666.1	-94.5	708.3	714.6	1.00	-1.00	0.00	
2,900.0	21.41	97.60	2,758.9	-99.5	745.3	751.9	1.00	-1.00	0.00	
3,000.0	20.41	97.60	2,852.3	-104.2	780.7	787.6	1.00	-1.00	0.00	
3,100.0	19.41	97.60	2,946.3	-108.7	814.4	821.7	1.00	-1.00	0.00	
3,200.0	18.41	97.60	3,040.9	-113.0	846.6	854.1	1.00	-1.00	0.00	
3,300.0	17.41	97.60	3,136.1	-117.0	877.0	884.8	1.00	-1.00	0.00	

Planning Report

<b>Database:</b>	Rocky Mountain R5000 Database	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Company:</b>	Berry Petroleum Company	<b>TVD Reference:</b>	WELL @ 6796.0usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT	<b>MD Reference:</b>	WELL @ 6796.0usft (Original Well Elev)
<b>Site:</b>	Section 4-T5W-R5W SW 1/4 NW 1/4	<b>North Reference:</b>	True
<b>Well:</b>	Federal 6-4D-65	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,400.0	16.41	97.60	3,231.8	-120.9	905.9	913.9	1.00	-1.00	0.00	
3,500.0	15.41	97.60	3,328.0	-124.5	933.0	941.3	1.00	-1.00	0.00	
3,548.0	14.93	97.60	3,374.3	-126.2	945.5	953.9	1.00	-1.00	0.00	
<b>Douglas Creek</b>										
3,600.0	14.41	97.60	3,424.6	-127.9	958.5	967.0	1.00	-1.00	0.00	
3,700.0	13.41	97.60	3,521.7	-131.1	982.3	991.0	1.00	-1.00	0.00	
3,800.0	12.41	97.60	3,619.1	-134.0	1,004.5	1,013.4	1.00	-1.00	0.00	
3,900.0	11.41	97.60	3,717.0	-136.8	1,024.9	1,034.0	1.00	-1.00	0.00	
4,000.0	10.41	97.60	3,815.2	-139.3	1,043.7	1,052.9	1.00	-1.00	0.00	
4,100.0	9.41	97.60	3,913.7	-141.6	1,060.7	1,070.1	1.00	-1.00	0.00	
4,145.3	8.95	97.60	3,958.4	-142.5	1,067.9	1,077.4	1.00	-1.00	0.00	
<b>Black Shale</b>										
4,200.0	8.41	97.60	4,012.5	-143.6	1,076.1	1,085.6	1.00	-1.00	0.00	
4,300.0	7.41	97.60	4,111.5	-145.4	1,089.7	1,099.4	1.00	-1.00	0.00	
4,400.0	6.41	97.60	4,210.8	-147.0	1,101.6	1,111.4	1.00	-1.00	0.00	
4,455.3	5.85	97.60	4,265.8	-147.8	1,107.5	1,117.3	1.00	-1.00	0.00	
<b>Castle Peak</b>										
4,500.0	5.41	97.60	4,310.3	-148.4	1,111.8	1,121.7	1.00	-1.00	0.00	
4,600.0	4.41	97.60	4,409.9	-149.5	1,120.3	1,130.2	1.00	-1.00	0.00	
4,700.0	3.41	97.60	4,509.7	-150.4	1,127.0	1,137.0	1.00	-1.00	0.00	
4,800.0	2.41	97.60	4,609.5	-151.1	1,132.1	1,142.1	1.00	-1.00	0.00	
4,881.5	1.59	97.60	4,691.0	-151.5	1,134.9	1,144.9	1.00	-1.00	0.00	
<b>Uteland Butte</b>										
4,900.0	1.41	97.60	4,709.5	-151.5	1,135.4	1,145.4	1.00	-1.00	0.00	
5,000.0	0.41	97.60	4,809.5	-151.7	1,136.9	1,147.0	1.00	-1.00	0.00	
5,040.5	0.00	97.60	4,850.0	-151.7	1,137.1	1,147.1	1.00	-1.00	0.00	
<b>End Drop</b>										
5,100.0	0.00	0.00	4,909.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,114.6	0.00	0.00	4,924.0	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
<b>Wasatch</b>										
5,200.0	0.00	0.00	5,009.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,109.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,209.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,309.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,600.0	0.00	0.00	5,409.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,509.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,764.6	0.00	0.00	5,574.0	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
<b>CR4</b>										
5,800.0	0.00	0.00	5,609.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
5,814.0	0.00	0.00	5,623.5	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	
<b>TD = 5,815' MD - 5,624' TVD - BHL = 1,980' FNL - 1,980' FWL</b>										
5,814.5	0.00	0.00	5,624.0	-151.7	1,137.1	1,147.1	0.00	0.00	0.00	



**Berry Petroleum**

**8 5/8 Surface Casing**

**Well Name: Federal 6-4D-65**

T.D.	350 ft
Hole Size	12 ¼ in
Casing Size	8 5/8 in
Casing Weight	24 #
Cement Coverage	350 ft to surface
Cement Excess	50 %

**Premium Class G Cmt 225 sks 15.8#/gal 1.15 cuft/sk 5.0 gal/sk**

Premium G Cmt	100 % (BWOC)
Calcium Chloride	2 % (BWOC)
Flocele	¼ # /sk

Total mix water (cement only)	27 bbl(1125gal)
Water ahead	10bbl
Gel sweep	20 bbl
225 sks Cement	46.1 bbl
Drop Top Plug	
Displacement	19.5 bbl

**Berry Petroleum****Brundage Project****5 1/2 Production Casing****Well Name: Federal 6-4D-65****With loss of circulation**

T.D.	5814 ft
Hole Size	7 7/8 in
Casing Size	5 1/2 in
Casing Weight	15.5 lb/ ft
Tail Cement Coverage	5814 ft to 3500 ft
Tail Cement Excess	20 %
Lead Cement Coverage	3500 ft to surface
Lead Cement Excess	20 %

**Hifill Lead Cmt 200 sks 11.0 #/gal 3.82 cuft/sk 23.0 gal/sk**

Premium Type V Cmt	100 % (BWOC)
Gel	16 % (BWOC)
Gilsonite	10 #/sk
GR 3	3 #/sk
Salt	3 % (BWOC)
Flocele	1/4 # /sk

**Premium Lite Tail 290 sks 13.1#/gal 1.70cuft/sk 7.7gal/sk**

Premium Class G Cmt	65 % (BWOC)
Poz	35 % (BWOP)
Gel	6% (BWOC)
Gilsonite	10# /sk
CDI 33	.2 % (BWOC)
CFL 175	.2% (BWOC)
Flocele	1/4 # /sk
Salt	10 % (BWOW)

Total Mix Water (Cement Only)	6833 gallons
Water ahead	10 bbls
Mud Flush	20 bbls
Water Spacer	10 bbls
Lead Cement	136.0 bbls (11.0 ppg)
Tail Cement(With loss Circulation)	87.8 bbls (13.1 ppg)
Wash Pump and Lines and Drop Top Plug	
Displacemnet (KCL)	133.9 bbls

## AFFIDAVIT OF NOTICE

I, Krista Mecham, the affiant herein, being of lawful age and duly sworn upon his oath deposes and states to the best of my knowledge as follows:

Krista Mecham is a Sr. Regulatory & Permitting Tech for **Berry Petroleum Company**, a Delaware Corporation, with headquarters located at 1999 Broadway, Suite 3700, Denver, Colorado 80202, and is duly authorized to make this affidavit on behalf of said corporation. This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22.

Berry Petroleum Company has submitted notices to commingle production from the Wasatch and Green River formations in the following wells:

Federal 6-4D-65

Per the terms of the BLM Oil and Gas Lease USA UTU 77327, Berry Petroleum Company is the owner of contiguous oil and gas leases or drilling units or has the right to the minerals overlying the pool for the aforementioned wells. Notice of intent to commingle production is hereby waived.

This instrument is executed this 17th day of June, 2013.

**Berry Petroleum Company**

By: Krista Mecham

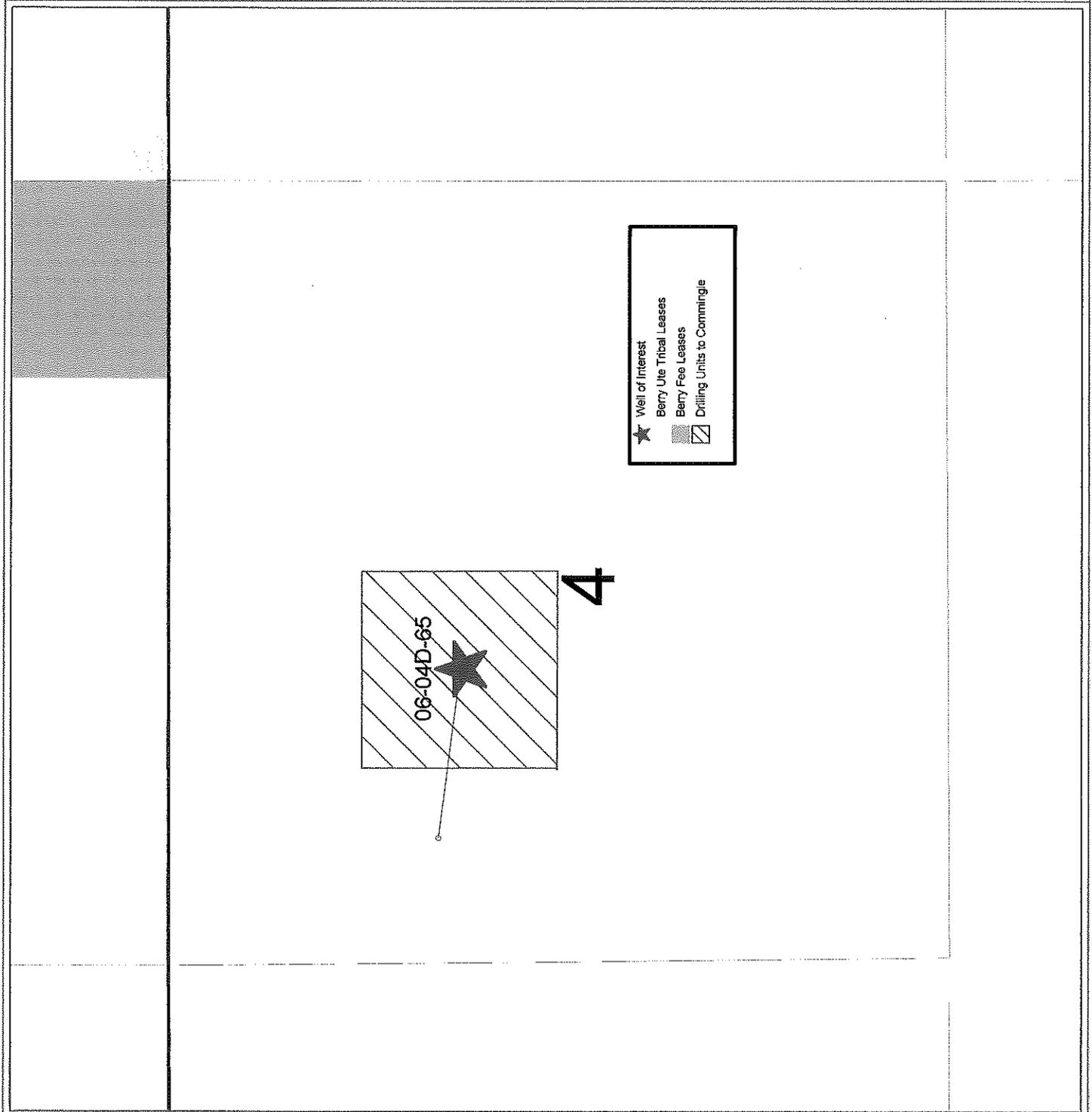
Berry Petroleum Company

Statewide Utah

Commingle Map



June 10, 2013



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 6-4D-65
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066		<b>9. API NUMBER:</b> 43013507830000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

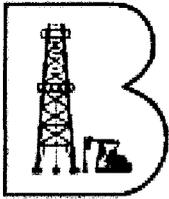
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/22/2013	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The Federal 6-4D-65 was spud on August 22, 2013 at 1:30 pm. 76' of 20" conductor was set.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
August 28, 2013**

<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/27/2013	



**Berry Petroleum Company**

RT 2 Box 7735  
3846 S Hwy 40  
Roosevelt, Utah  
(435) 722-1325

Sept 20 , 2013

State of Utah OG&M  
Carol Daniels  
Salt Lake City, Utah

RE: Run production casing and cement  
Begin at approx, 8:00 AM- 9/20/2013  
Federal 6-4D-65  
SW/NW 1980' FNL, 1980' FWL  
SEC 4, T6S, R5W  
API 43-01350783

If you have any questions or need more information, please call me at  
970-373-1484

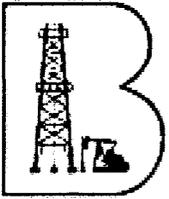
Thank you,

Randy Hackford  
Drilling Supervisor  
Berry Petroleum

**RECEIVED**

**SEP 19 2013**

**DIV. OF OIL, GAS & MINING**



**Berry Petroleum Company**

RT 2 Box 7735  
3846 S Hwy 40  
Roosevelt, Utah  
(435) 722-1325

September 16, 2013

State of Utah OG&M  
Carol Daniels  
Salt Lake City, Utah

FEDERAL 6-4D-65  
SW/NW 1828 FNL, 842 FWL  
Sec 4, T6S, R5W  
API Well no. 4301350783

Dear Ms. Daniels:

We will be testing BOP's at approximately 11:00 on SEPT 16, 2013.  
We will, in all probability, be drilling shoe track by 022:00 on the 16<sup>th</sup>.

If you have any questions, concerns, or require further information, please call me  
at 970-373-1484

Best regards,

Randy Hackford  
Drilling Supervisor  
Berry Petroleum

**RECEIVED**  
**SEP 16 2013**  
**DIV. OF OIL, GAS & MINING**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
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.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 6-4D-65
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY	<b>9. API NUMBER:</b> 43013507830000
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	<b>PHONE NUMBER:</b> 303 999-4044 Ext
<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U	
<b>COUNTY:</b> DUCHESNE	
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 10/8/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Confidential Well"/>

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

Berry Petroleum requests to change the status of the Federal 6-4D-65 to a CONFIDENTIAL WELL.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 October 21, 2013**

<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/8/2013	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY		<b>8. WELL NAME and NUMBER:</b> FEDERAL 6-4D-65
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066		<b>9. API NUMBER:</b> 43013507830000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON
		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 10/8/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Confidential Well"/>

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

Berry Petroleum requests to change the status of the FEDERAL 6-4D-65 to a CONFIDENTIAL WELL.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 21, 2013**

<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/8/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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.		<b>7. UNIT or CA AGREEMENT NAME:</b>
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<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	<b>PHONE NUMBER:</b> 303 999-4044 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON
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		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/25/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The Federal 6-4D-65 went to first sales on October 18, 2013.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 28, 2013</b>		
<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/25/2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU77327
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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.		<b>7. UNIT or CA AGREEMENT NAME:</b>
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<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY		<b>9. API NUMBER:</b> 43013507830000
<b>3. ADDRESS OF OPERATOR:</b> 4000 South 4028 West Rt 2 Box 7735 , Roosevelt, UT, 84066	<b>PHONE NUMBER:</b> 303 999-4044 Ext	<b>9. FIELD and POOL or WILDCAT:</b> BRUNDAGE CANYON
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1828 FNL 0842 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNW Section: 04 Township: 06.0S Range: 05.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/18/2013	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION  <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached drilling history for the Federal 6-4D-65.		
		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 28, 2013</b>
<b>NAME (PLEASE PRINT)</b> Krista Mecham	<b>PHONE NUMBER</b> 435 722-1325	<b>TITLE</b> Regulatory Permitting Tech
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/25/2013

Well Name: **FEDERAL 6-4D-65****OPERATIONS SUMMARY**

API 43013507830000	State Utah	Surface Legal Location SWNW Sec 4 T6S-R5W		
Field Code	Spud Date 9/16/2013	Rig Release Date 9/21/2013	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,779.00

**Daily Operations****9/14/2013 06:00 - 9/15/2013 06:00**

Operations at Report Time

Wait on daylight.

Operations Next 24 Hours

Nippel &amp; test &amp; prepare rig for drilling.

Operations Summary

Rig up ,raise derrick Start to plumb in buster,rig up mud cleaning equipment&amp; set camps

**Time Log**

Com

Rig up &amp;raise derrick

Wait on daylight

**9/15/2013 06:00 - 9/16/2013 06:00**

Operations at Report Time

Rig up

Operations Next 24 Hours

Nipple up BOPS/ Test BOPS &amp; Prepare to Drill

Operations Summary

Rig up pumps ST 80, Floor,Ground,Rig service'Nippel up BOPS,Install flowline,Slip &amp; cut drilling line,Rig up.

**Time Log**

Com

Rig pumps,ST 80,Floor,ground

Rig service

NU/ND BOP

Install flow line

Waiting on DSA for choke line

**9/16/2013 06:00 - 9/17/2013 06:00**

Operations at Report Time

Drilling at 952'

Operations Next 24 Hours

Drill

Operations Summary

Hook up choke manifold, service rig ,hold PJSM with B&amp;C Quick test &amp; Test BOPE ,Pre spud inspection, &amp; strap BHA ,PU Directional tools BHA ,TIH &amp; Tag cmt @ 315', drill shoe track F/315' TO 373' ,Drill F/373' to 768' service rig Drill F/ 768' TO 952'

**Time Log**

Com

Hook up choke manifold

Rig service

Hold PJSM with B&amp;C Quick test,test pipe rams 250/3000 psi, blind rams250/3000 psi, test casing to 1500 psi,Hydril BOP to 250/1500 psi,choke line 250/3000 psi, Inside BOP 250/3000 psi,CHOKE MANIFOLD 250/3000 psi,upper kelly cock 250/3000 psi, lower kelly cock 250/3000 psi, safety valve 250/3000 psi .

[ PJSM ] Pre Spud Inspection

Lay out BHA ,STRAP 4.50 HWDP

[ PJSM] Pick up BHA

[PJSM] Dirc Tools ,and TIH [ tag CMT @315'

[PJSM] Drill float equipment [FC @328'/Shoe @373'

Drilling formation F/373' TO768'

Rig service

Drilling formation F/768' TO 952'

**9/17/2013 06:00 - 9/18/2013 06:00**

Operations at Report Time

Drilling

Operations Next 24 Hours

Drill 7 7/8 production hole

Operations Summary

Drilling F/952' TO1769' ,Rig service , Drilling F/1769 TO2849' ,Rig service, Drilling F /2849 to 3244

**Time Log**

Com

Drilling with rotary and slides F/952' to1769 Avg F/hr 116.71 WOB 20 ,RPM 65 ,GPM 487

Service rig

Drilling with rotary and slides F/1769' to 2849 Avg F/hr 102.85 WOB 23 ,RPM 70,GPM 487

Service rig

Drilling with rotary and slides F/2849' to 3244 Avg F/hr 102.85 WOB 23 ,RPM 70,GPM 487

**9/18/2013 06:00 - 9/19/2013 06:00**

Operations at Report Time

Drilling

Operations Next 24 Hours

Drill 7 7/8 production hole to TD ,Circ hole clean, TOOH ,LD dirc tools, TIH ,Circ two sweeps ,LDDP, LOG,

Operations Summary

Drilling F/3244' TO4175' ,Rig service , Drilling F/4175' TO4302' ,Rig service, Drilling F /4302' to 4678' , Rig service, Drill F/4678 to 5596'

**Time Log**

Com

Drilling with rotary and slides F/3244' to 4175' Avg F/hr 93.1 WOB 22 ,RPM 70 ,GPM 492

Service rig

Drilling with rotary and slides F/4175' to 4678' Avg F/hr 125.75 WOB 22 ,RPM 70 ,GPM 492

Service rig



Well Name: FEDERAL 6-4D-65

## OPERATIONS SUMMARY

### Time Log

Com

Drilling with rotary and slides F/4678' to 5596' Avg F/hr 102 WOB 22 ,RPM 70 ,GPM 492

**9/19/2013 06:00 - 9/20/2013 06:00**

Operations at Report Time

Operations Next 24 Hours

#### Operations Summary

Drill F/ 5596' TO 5850' TD / W rig service, Pump high vis sweep & circ hole, TOH & L/D dirc tools, Repair brakes, T I H w/ tri cone bit Service rig, Repair brakes, TIH , Pump 2 high vis sweep circ hole clean, L/D D/P,

### Time Log

Com

Drilling with rotary and slides F/5596' to 5755' Avg F/hr 79.5 WOB 22 ,RPM 70 ,GPM 492

Service rig

Drilling with rotary and slides F/5755' to 5850' Avg F/hr 63.33 WOB 22 ,RPM 70 ,GPM 492

Circ high vis sweep

T O H L/D Dirc tools

Adjust brakes

P/U bit sub, T I H

Service rig

Repair brakes

TIH

Circ 2 high vis sweeps

LDDP

**9/20/2013 06:00 - 9/21/2013 06:00**

Operations at Report Time

Operations Next 24 Hours

Rigging down for skid

Skid rig to Federal 12-4D-65

#### Operations Summary

LDDP ,LOG with halliburton run tripple combo ,CRT Tool not working ,Wait on Csg crew, Run 5 1/2" Csg W/ Weatherford, Circulate casing and move in Pro-Petro Hold PJSM and cement casing , Flush stack and set Pack off. Nipple down BOP , Rig down and prepare to skid.

### Time Log

Com

LDDP,

Held PJSM W/Halliburton and crew. Run Triple Combination logs From CR4 to base of surface. Dillers depth-5850, Loggers depth 5854'. Rig down

CRT failure wait onm Weatherford casing crew

Run 139 joints 5 1/2" 15.5# J-55 LT&amp;C casing, Shoe @5824', float collar @5781'. Marker joint @ 3477 Rig down Weatherford TRS.

Land Mandrel and Circulate and condition while moving in Pro - Petro Cementers

Held PJSM W/Propetro. Rig up cementing equipment and pressure test lines to 2500 psi. Pump 20 bbls mud flush. .10 bbl water spacer. 10 bbls of Pro bond 1, 20 bbls of water spacer , Lead 11.0# 3.82 yield 220 sks (150 bbls) 16% gel, 10#sk Gilsonite, 3#sk GR-3, 3% salt, 1/4#sk Flocele, Tail 13.1# 1.70 yield 330 sks (100 bbls) 65% G Cement, 35% Poz, 6% Gel, 10#sk Gilsonite, 2% CDI-33, 2% CFL175, 10% salt, 1/4sk Flocele. Displaced with 137.6 bbls of fresh water with 13 gallons of Clay Fix. FCP=1245 psi. Bumped plug at 1600 psi. Floats held. Returns through out job. Mud flush to surface. 18 bbls cement to surface.

Held PJSM with Cameron Rep. Set pack off in casing head, Lock pin's , Verify pin's are tight.

Nipple down BOP

Rig down and Preparre rig for skid , Rig released @ 06:00 on 9/21/2013 BY Randy Hackford

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**UTU 77327**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**Federal 6-4D-65**

2. NAME OF OPERATOR:  
**Berry Petroleum Company, LLC**

9. API NUMBER:  
**4301350783**

3. ADDRESS OF OPERATOR: **Rt 2 Box 7735** CITY **Roosevelt** STATE **Ut** ZIP **84066** PHONE NUMBER: **(435) 722-1325**

10. FIELD AND POOL, OR WILDCAT  
**Brundage**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **1828' FNL & 842' FWL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **1955' FNL & 1790' FWL (SENW)**  
AT TOTAL DEPTH: **2015' FNL & 1971' FWL (SENW)**

11. QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SWNW 4 6S 5W U**

12. COUNTY: **Duchesne** 13. STATE: **UTAH**

14. DATE SPUNDED: **8/22/2013** 15. DATE T.D. REACHED: **9/21/2013** 16. DATE COMPLETED: **10/11/2013** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**6779, GL**

18. TOTAL DEPTH: MD **5,850** TVD **5,643**

19. PLUG BACK T.D.: MD **5,780** TVD **5,573**

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**Electronic**

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 (#/L)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	8.625 J-55	24		363		G 225		0	
7.875	5.5 J-55	15.5		5,824		PL 550		134	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,558							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	5,271	5,455		
(B) Cstle Pk/U Butte	4,893	5,089		
(C) Castle Peak	4,448	4,824		
(D) Dgl Crk/Blk Shl	3,968	4,258		

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
5,271 5,455	.42	34	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,893 5,089	.39	44	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
4,448 4,824	.39	80	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
3,968 4,258	.39	38	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
Wasatch	Frac w/ 74,168 LBS Sand & 1194 BBL Fluid
Castle Peak/U Butte	Frac w/ 75,450 LBS Sand & 1461 BBL Fluid
Castle Peak	Frac w/ 187,945 LBS Sand & 3049 BBL Fluid

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:  
**Pumping**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 10/21/2013		TEST DATE: 10/22/2013		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 43	GAS - MCF: 461	WATER - BBL: 212	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS. 300	CSG. PRESS. 170	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.)

Sold

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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GR	1,021
				Mahogany	1,725
				TGR3	2,719
				Douglas Creek	3,550
				3 Point	3,884
				Black Shale	4,173
				Castle Peak	4,610
				Uteland Butte	4,905
				Wasatch	5,093

35. ADDITIONAL REMARKS (Include plugging procedure)

#76. Douglas Creek: 3604' - 3774'  
 #77. 3604' - 3774': 0.39, no holes, open  
 #78. Douglas Creek / Black Shale: Frac w/ 74,731 lbs sand & 1784 BBL fluid  
 Douglas Creek: Frac w/ 79,447 lbs sand & 504 BBL fluid

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

NAME (PLEASE PRINT) Krista Wilson

TITLE Sr. Reg. & Permitting

SIGNATURE Krista Wilson

DATE 3/3/2013

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

# Archer

## PVA & Survey Report



Project: Duchesne Co., UT (UT27C)  
 Site: Sec.4-T8S-R5W  
 Well: Federal 6-4D-65  
 Wellbore: Wellbore #1  
 Design: Design #2  
 Latitude: 39° 59' 27.715 N  
 Longitude: 110° 27' 29.934 W  
 Ground Level: 6779.00  
 WELL @ 6793.00ustf

# Archer

**PROJECT DETAILS: Duchesne Co., UT (UT27C)**

Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Utah Central 4302  
 System Datum: Mean Sea Level

**REFERENCE INFORMATION**

Co-ordinates (N/E) Reference: Well Federal 6-4D-65, True North  
 Vertical (TVD) Reference: WELL @ 6793.00ustf  
 Section (VS) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 6793.00ustf  
 Calculation Method: Minimum Curvature

**WELL DETAILS: Federal 6-4D-65**

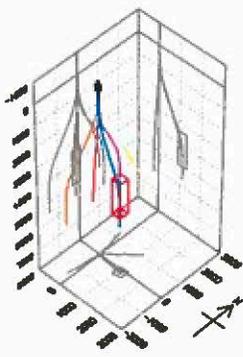
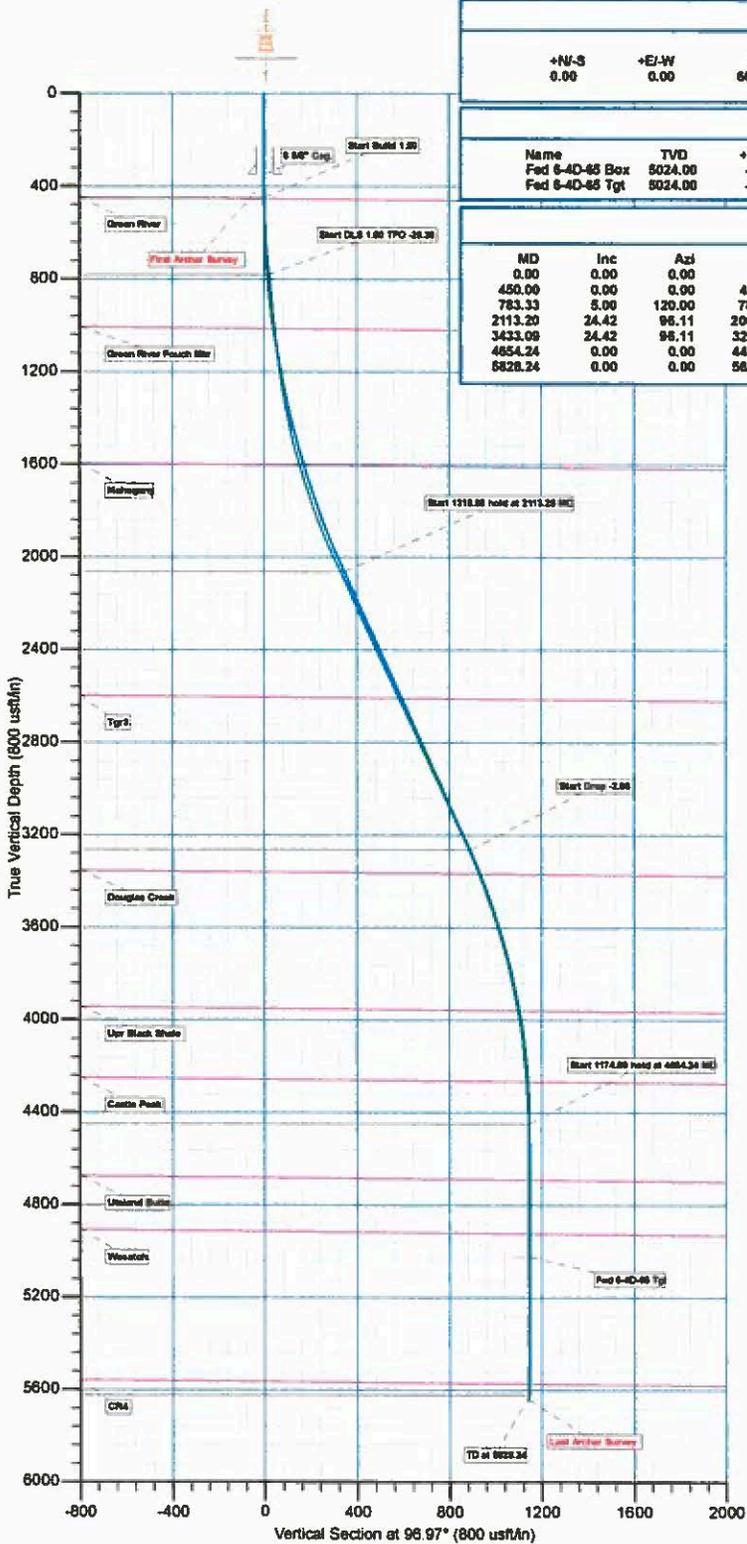
+N-S	+E-W	Northing	Ground Level:	Latitude	Longitude	Slot
0.00	0.00	605478.210	6779.00	39° 59' 27.715 N	110° 27' 29.934 W	
			2291832.398			

**WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)**

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
Fed 6-4D-65 Box	5024.00	-117.08	1118.95	605374.172	2292972.636	39° 59' 28.508 N	110° 27' 15.557 W	Polygon
Fed 6-4D-65 Tgt	5024.00	-139.29	1138.31	605352.201	2292993.253	39° 59' 28.338 N	110° 27' 15.295 W	Point

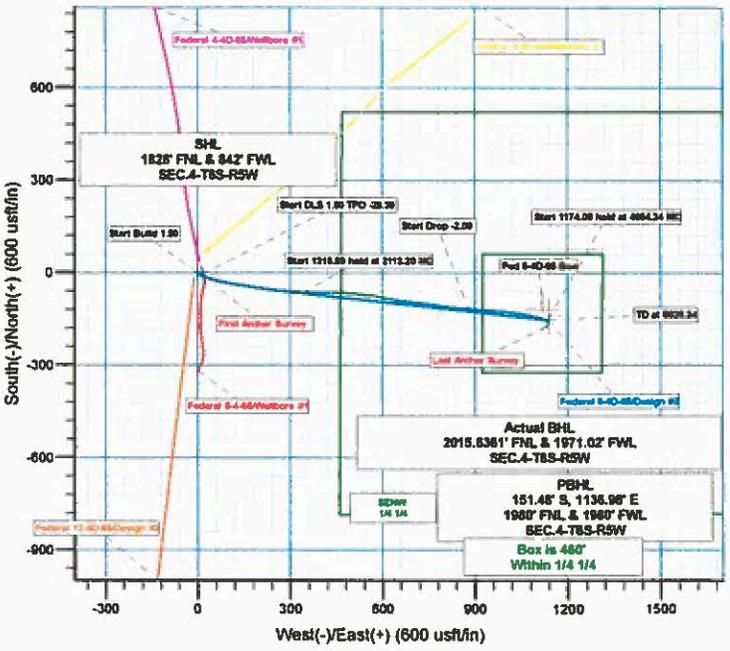
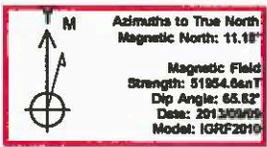
**SECTION DETAILS**

MD	Inc	Asz	TVD	+N-S	+E-W	Diag	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	Start DLS 1.50 TPO -29.39
783.33	5.00	120.00	782.91	-7.27	12.58	1.50	120.00	13.38	Start 1318.89 hold at 2113.20 MD
2113.20	24.42	96.11	2063.71	-66.10	329.45	1.50	-29.39	344.97	Start Drop -2.00
3433.09	24.42	96.11	3285.50	-124.20	882.09	0.00	0.00	890.64	Start 1174.00 hold at 4654.24 MD
4654.24	0.00	0.00	4450.00	-181.48	1136.98	2.00	180.00	1148.98	TD at 5828.24
5828.24	0.00	0.00	5824.00	-181.48	1136.98	0.00	0.00	1148.98	

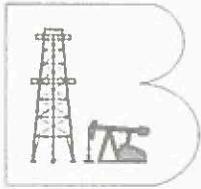


**FORMATION TOP DETAILS**

TVDPath	MDPath	Formation
453.00	453.00	Green River
1013.34	1013.32	Green River Fouch Mir
1602.48	1819.66	Mahogany
2608.17	2711.16	Tgr3
3388.16	3544.88	Douglas Creek
3958.64	4180.44	Upr Black Shale
4265.96	4470.07	Castle Peak
4691.01	4895.25	Uteland Butte
4924.01	5128.25	Wasatch
5574.01	5778.25	CRA



Plan: Design #2 (Federal 6-4D-65/Wellbore #1)  
 Created By: Bret Wolford Date: 13:37, February 25 2014  
 RECEIVED: Mar. 03, 2014



# **Berry Petroleum Company**

**Duchesne Co., UT (UT27C)**

**Sec.4-T6S-R5W**

**Federal 6-4D-65**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**20 September, 2013**

# **Archer**



**Archer**  
Survey Report

# Archer

<b>Company:</b>	Bery Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T8S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Well:</b>	Federal 6-4D-65	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDMDBBW

<b>Project</b>	Duchesne Co., UT (UT27C)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Sec.4-T8S-R5W				
<b>Site Position:</b>		<b>Northing:</b>	605,534.114 usft	<b>Latitude:</b>	39° 59' 28.266 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,291,865.197 usft	<b>Longitude:</b>	110° 27' 29.761 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16"	<b>Grid Convergence:</b>	0.67 "

<b>Well</b>	Federal 6-4D-65					
<b>Well Position</b>	+N-S	0.00 usft	<b>Northing:</b>	605,478.210 usft	<b>Latitude:</b>	39° 59' 27.715 N
	+E-W	0.00 usft	<b>Easting:</b>	2,291,852.398 usft	<b>Longitude:</b>	110° 27' 29.934 W
<b>Position Uncertainty</b>	0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	6,779.00 usft	

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2013/09/09	11.18	65.62	51,955

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N-S (usft)</b>	<b>+E-W (usft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	96.97	

<b>Survey Program</b>	<b>Date</b>	2013/09/20			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
377.00	5,850.00	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
<b>First Archer Survey</b>										
377.00	0.00	0.00	377.00	0.00	0.00	0.00	0.00	0.00	0.00	
412.00	1.00	233.30	412.00	-0.18	-0.24	-0.22	2.86	2.86	0.00	
473.00	1.30	158.50	472.99	-1.14	-0.42	-0.28	2.32	0.49	-122.62	
535.00	3.10	132.90	534.94	-2.94	1.07	1.42	3.24	2.90	-41.29	
596.00	5.00	129.40	595.79	-5.75	4.33	5.00	3.14	3.11	-5.74	
657.00	5.80	124.30	656.52	-9.17	8.93	9.98	1.53	1.31	-8.36	
718.00	6.30	118.40	717.18	-12.50	14.42	15.83	1.31	0.82	-9.67	
779.00	5.80	104.30	777.84	-14.86	20.35	22.01	2.56	-0.82	-23.11	
841.00	5.40	108.80	839.54	-16.57	26.15	27.97	0.96	-0.65	7.26	
902.00	4.50	106.40	900.32	-18.17	31.16	33.14	1.51	-1.48	-3.93	
962.00	4.93	110.30	960.11	-19.73	35.84	37.97	0.89	0.72	6.50	



**Archer**  
Survey Report

# Archer

<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T8S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Well:</b>	Federal 6-4D-65	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDMDBBW

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (*/100usft)	Build Rate (*/100usft)	Turn Rate (*/100usft)
1,026.00	6.14	106.04	1,023.81	-21.63	41.71	44.02	2.00	1.89	-8.66
1,089.00	6.69	100.41	1,086.42	-23.22	48.56	51.01	1.33	0.87	-8.94
1,152.00	7.20	105.62	1,148.96	-24.95	55.97	58.58	1.29	0.81	8.27
1,215.00	8.61	106.22	1,211.36	-27.33	64.30	67.14	2.24	2.24	0.95
1,279.00	9.67	103.69	1,274.54	-29.94	74.12	77.21	1.77	1.66	-3.95
1,343.00	10.51	98.20	1,337.56	-32.05	85.12	88.38	1.99	1.31	-8.58
1,406.00	11.86	94.46	1,399.36	-33.37	97.26	100.59	2.43	2.14	-5.94
1,469.00	13.28	96.83	1,460.85	-34.73	110.90	114.30	2.40	2.25	3.76
1,533.00	15.40	96.98	1,522.85	-36.64	126.64	130.15	3.31	3.31	0.23
1,596.00	16.10	100.60	1,583.49	-39.26	143.53	147.23	1.91	1.11	5.75
1,660.00	16.94	103.19	1,644.84	-43.02	161.33	165.36	1.75	1.31	4.05
1,723.00	17.85	101.25	1,704.96	-47.00	179.74	184.11	1.71	1.44	-3.08
1,787.00	19.84	98.55	1,765.53	-50.53	200.10	204.75	3.39	3.11	-4.22
1,849.00	20.99	95.95	1,823.64	-53.25	221.55	226.37	2.36	1.85	-4.19
1,913.00	21.88	94.36	1,883.21	-55.34	244.84	249.75	1.66	1.39	-2.48
1,976.00	23.38	94.80	1,941.36	-57.28	269.00	273.97	2.40	2.38	0.70
2,039.00	24.89	93.25	1,998.85	-59.08	294.70	299.69	2.60	2.40	-2.46
2,133.00	25.00	91.98	2,084.08	-60.88	334.30	339.22	0.58	0.12	-1.35
2,166.00	25.22	93.07	2,113.96	-61.50	348.29	353.18	1.55	0.67	3.30
2,230.00	25.21	91.34	2,171.86	-62.55	375.53	380.35	1.15	-0.02	-2.70
2,293.00	23.40	91.45	2,229.28	-63.18	401.45	406.15	2.87	-2.87	0.17
2,357.00	24.09	89.97	2,287.86	-63.50	427.22	431.77	1.42	1.08	-2.31
2,420.00	25.50	90.69	2,345.05	-63.65	453.64	458.01	2.29	2.24	1.14
2,483.00	24.91	92.35	2,402.05	-64.36	480.45	484.71	1.46	-0.94	2.63
2,546.00	24.08	96.33	2,459.39	-66.32	506.49	510.79	2.93	-1.32	6.32
2,609.00	24.59	97.42	2,516.79	-69.43	532.26	536.75	1.08	0.81	1.73
2,672.00	25.36	98.50	2,573.90	-73.12	558.60	563.35	1.42	1.22	1.71
2,736.00	24.44	99.95	2,631.95	-77.43	585.20	590.27	1.73	-1.44	2.27
2,799.00	25.83	100.39	2,688.98	-82.16	611.54	616.99	2.23	2.21	0.70
2,862.00	25.29	99.46	2,745.82	-86.85	638.31	644.13	1.07	-0.86	-1.48
2,925.00	25.43	97.47	2,802.75	-90.82	664.99	671.10	1.37	0.22	-3.16
2,989.00	26.27	97.08	2,860.34	-94.35	692.68	699.01	1.34	1.31	-0.61
3,052.00	24.21	94.34	2,917.33	-97.05	719.40	725.86	3.76	-3.27	-4.35
3,116.00	23.95	96.74	2,975.76	-99.56	745.38	751.95	1.58	-0.41	3.75
3,179.00	25.18	99.27	3,033.06	-103.22	771.31	778.13	2.57	1.95	4.02
3,242.00	25.64	99.35	3,089.96	-107.60	797.99	805.14	0.73	0.73	0.13
3,305.00	25.61	96.14	3,148.77	-111.27	824.97	832.38	2.20	-0.05	-5.10
3,369.00	24.78	93.73	3,204.68	-113.62	852.11	859.60	2.06	-1.30	-3.77
3,431.00	22.81	94.73	3,261.41	-115.46	877.06	884.59	3.24	-3.18	1.61
3,495.00	22.55	95.50	3,320.46	-117.66	901.64	909.25	0.62	-0.41	1.20
3,557.00	21.31	93.99	3,377.97	-119.58	924.71	932.39	2.20	-2.00	-2.44
3,621.00	21.31	94.31	3,437.60	-121.26	947.91	955.62	0.18	0.00	0.50
3,684.00	19.25	94.03	3,496.69	-122.85	969.68	977.42	3.27	-3.27	-0.44
3,747.00	18.27	94.70	3,556.34	-124.39	989.88	997.66	1.59	-1.56	1.06
3,810.00	16.89	97.45	3,616.40	-126.39	1,008.80	1,016.68	2.56	-2.19	4.37
3,872.00	16.39	98.86	3,675.80	-128.90	1,026.38	1,034.43	1.04	-0.81	2.27
3,934.00	13.94	97.66	3,735.64	-131.25	1,042.42	1,050.65	3.98	-3.95	-1.94
3,997.00	12.50	96.65	3,796.97	-133.05	1,056.72	1,065.05	2.31	-2.29	-1.60
4,061.00	11.70	101.92	3,859.55	-135.19	1,069.95	1,078.44	2.13	-1.25	8.23
4,125.00	11.17	103.77	3,922.28	-138.00	1,082.32	1,091.06	1.01	-0.83	2.89
4,189.00	9.34	105.69	3,985.25	-140.88	1,093.34	1,102.35	2.91	-2.86	3.00
4,252.00	8.51	103.44	4,047.49	-143.35	1,102.79	1,112.04	1.43	-1.32	-3.57
4,316.00	7.01	104.58	4,110.90	-145.43	1,111.18	1,120.62	2.36	-2.34	1.78
4,378.00	5.17	106.79	4,172.55	-147.19	1,117.52	1,127.12	2.99	-2.97	3.56



**Archer**  
Survey Report

# Archer

<b>Company:</b>	Berry Petroleum Company	<b>Local Co-ordinate Reference:</b>	Well Federal 6-4D-65
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>TVD Reference:</b>	WELL @ 6793.00usft
<b>Site:</b>	Sec.4-T8S-R5W	<b>MD Reference:</b>	WELL @ 6793.00usft
<b>Well:</b>	Federal 6-4D-65	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	EDMDBBW

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (*/100usft)	Build Rate (*/100usft)	Turn Rate (*/100usft)	
4,441.00	4.57	107.85	4,235.32	-148.78	1,122.62	1,132.38	0.96	-0.95	1.68	
4,503.00	3.82	116.60	4,297.15	-150.47	1,126.82	1,136.75	1.59	-1.21	14.11	
4,565.00	3.38	116.86	4,359.03	-152.22	1,130.30	1,140.42	0.71	-0.71	0.42	
4,628.00	2.79	115.04	4,421.94	-153.70	1,133.34	1,143.62	0.95	-0.94	-2.89	
4,691.00	1.69	115.52	4,484.89	-154.75	1,135.57	1,145.96	1.75	-1.75	0.76	
4,755.00	1.44	100.65	4,548.87	-155.31	1,137.21	1,147.66	0.74	-0.39	-23.23	
4,882.00	0.91	123.73	4,675.84	-156.16	1,139.62	1,150.15	0.55	-0.42	18.17	
5,008.00	0.80	158.25	4,801.83	-157.54	1,140.78	1,151.46	0.41	-0.09	27.40	
5,135.00	0.97	184.44	4,928.81	-159.43	1,141.02	1,151.94	0.34	0.13	20.62	
<b>Fed 6-4D-65 Box</b>										
5,229.59	1.15	212.33	5,023.39	-161.03	1,140.46	1,151.57	0.57	0.19	29.48	
<b>Fed 6-4D-65 Tgt</b>										
5,229.84	1.15	212.39	5,023.64	-161.03	1,140.45	1,151.57	0.57	0.30	23.98	
5,261.00	1.25	219.25	5,054.79	-161.56	1,140.07	1,151.25	0.57	0.33	22.02	
5,388.00	1.52	209.45	5,181.75	-164.10	1,138.37	1,149.87	0.28	0.21	-7.72	
5,515.00	1.22	219.83	5,308.72	-166.60	1,136.67	1,148.49	0.31	-0.24	8.17	
5,641.00	1.93	215.38	5,434.67	-169.36	1,134.59	1,146.75	0.57	0.56	-3.53	
5,769.00	2.08	213.01	5,562.59	-173.07	1,132.07	1,144.71	0.13	0.12	-1.85	
5,800.00	1.68	215.85	5,593.57	-173.91	1,131.50	1,144.24	1.32	-1.29	9.16	
<b>Last Archer Survey</b>										
5,850.00	1.68	215.85	5,643.55	-175.10	1,130.64	1,143.53	0.00	0.00	0.00	

Survey Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N-S (usft)	+E-W (usft)		
377.00	377.00	0.00	0.00	First Archer Survey	
5,850.00	5,643.55	-175.10	1,130.64	Last Archer Survey	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



Well Name: FEDERAL 6-4D-65

### OPERATIONS SUMMARY

API 43013507830000	State Utah	Surface Legal Location SWNW Sec 4 T6S-R5W		
Field Code	Spud Date 9/16/2013	Rig Release Date 9/21/2013	KB-Ground Distance (ft) 14.00	Ground Elevation (ftKB) 6,779.00

**Daily Operations**

10/8/2013 13:10 - 10/8/2013 13:10

Operations at Report Time

Operations Next 24 Hours

FINISH PREP PAD, BAKER & CUTTERS R/U AND PERF/FRAC WELL

Operations Summary

RUSTIN TEST TREE AND CASING, CUTTERS PERF STG #1, FINISH PREP PAD

**Time Log**

Com

CUTTERS R/U. JSA MEETING. PREP TO PERF STG #1

PERFORATE STG #1 IN THE WASATCH, CR2 (10-8-2013) FROM 5,271'-5,455'. @ 2 SPF, 120 DEGREE PHASING, 22.7 GRAM CHARGE, & EHD OF .42". CHARGE P/N IS TITAN EXP-3323-322T WITH PENETRATION OF 35.1. 34 TOTAL HOLES. PERFS: 5,271'-73', 5,330'-32', 5,334'-36', 5,381'-84', 5,388'-88', 5,390'-92', 5,415'-17', & 5,453'-55'. PULL OUT OF THE HOLE & SHUT IN & SECURE WELL

PREP PAD, FILL & HEAT 25 TANKS (+3 MORE TANK W/ 18% KCL). TOTAL TANKS OF 28 ON FRAC PAD. THERE ARE 4 MORE TANKS ON A FLAT, NON-PRODUCING, PAD. NOTE: 5 1/2" 15.5# J-55. FLOAT COLLAR @ 5,780'. STG #1 WAS PERFORATED ON 10/8/2013. UTE TRUCKING FILLED TANKS.

10/9/2013 13:10 - 10/9/2013 13:10

Operations at Report Time

Operations Next 24 Hours

BAKER FRAC STGS #1 - #4. CUTTERS PERFORATE STGS #2 - #5. LEAVE WELL S.I.

Operations Summary

MIRU CUTTERS & BAKER. TEST EQUIP. LEAVE WELL S.I.

**Time Log**

Com

MIRU BAKER FRAC CREW AND CUTTERS WIRELINE. CONDUCT JSA AND SAFETY MEETING WITH CUTTERS WIRELINE AND BAKER FRAC CREW.

10/10/2013 13:10 - 10/10/2013 13:10

Operations at Report Time

Operations Next 24 Hours

BAKER FRAC STGS #5 & #6. CUTTERS PERF STG #6 & SET KILL PLUG. LEAVE WELL S.I. R/D AND SLIDE TO THE 12-4D-65.

Operations Summary

BAKER FRAC STGS #1 - #4. PERF STGS #2 - #5. R/D SLIDE TO NEXT WELL.

**Time Log**

Com

CONDUCT JSA AND SAFETY MEETING WITH CUTTERS WIRELINE AND BAKER FRAC CREW.

BAKER TEST LINES AND FRAC STG #1 (WASATCH, CR2)

WELL OPEN @ 72 PSI  
BROKE DOWN 4.9 BPM @ 3,502  
MAX RATE @ 70.2 BPM  
MAX PSI @ 2,558  
AVG RATE @ 67.7 BPM  
AVG PSI @ 2,342  
TOTAL FLUID OF 1,194 BBL  
ISDP 898

FINAL FRAC GRADIENT .61  
74,168 LBS OF 16/30 WHITE SAND  
34 HOLES AND DROPPED 43 BIO SEALER BALLS, GOOD BALL ACTION.

SET CFP @ 5,110'. PERFORATE STG #2 IN THE CASTLE PEAK/UTELAND BUTTE, FROM 4,893' - 5,089'. @ 2 SPF, 120 DEGREE PHASING, 19.0 GRAM CHARGE, & EHD OF .39". CHARGE P/N IS TITAN EXP-3319-32P WITH PENETRATION OF 40.5. 44 TOTAL HOLES. PERFS: 4,893'-94', 4,908'-09', 4,920'-21', 4,932'-33', 4,941'-42', 4,947'-48', 4,953'-54', 4,962'-63', 4,969'-70', 4,976'-77', 4,983'-84', 5,005'-06', 5,016'-17', 5,024'-25', 5,033'-34', 5,041'-42', 5,052'-53', 5,060'-61', 5,064'-66', AND 5,087'-89'

BAKER TEST LINES AND FRAC STG #2 (CASTLE PEAK,UTELAND BUTTE)

WELL OPEN @ 257 PSI  
BROKE DOWN 3.4 BPM @ 1,683  
MAX RATE @ 68.2 BPM  
MAX PSI @ 2,970  
AVG RATE @ 67.6 BPM  
AVG PSI @ 2,714  
TOTAL FLUID OF 1,461 BBL  
ISDP 1,484

FINAL FRAC GRADIENT .74  
75,450 LBS OF 16/30 WHITE SAND  
44 HOLES AND DROPPED 55 BIO SEALER BALLS, GOOD BALL ACTION.

SET CFP @ 4,840'. PERFORATE STG #3 IN THE CASTLE PEAK, FROM 4,688' - 4,824'. @ 2 SPF, 120 DEGREE PHASING, 19.0 GRAM CHARGE, & EHD OF .39". CHARGE P/N IS TITAN EXP-3319-32P WITH PENETRATION OF 40.5. 36 TOTAL HOLES. PERFS: 4,688'-90', 4,696'-98', 4,706'-08', 4,720'-22', 4,753'-55', 4,774'-76', 4,790'-92', 4,803'-05', AND 4,822'-24'.



Well Name: FEDERAL 6-4D-65

**OPERATIONS SUMMARY**

**Time Log**

Com

**BAKER TEST LINES AND FRAC STG #3 (CASTLE PEAK)**

WELL OPEN @ 157 PSI  
 BROKE DOWN 4.6 BPM @ 2,531  
 MAX RATE @ 88.4 BPM  
 MAX PSI @ 2,685  
 AVG RATE @ 87.8 BPM  
 AVG PSI @ 2,324  
 TOTAL FLUID OF 818 BBL  
 ISDP 964  
 FINAL FRAC GRADIENT .85  
 48,929 LBS OF 16/30 WHITE SAND  
 36 HOLES AND DROPPED NO BIO SEALER BALLS.

SET CFP @ 4,670'. PERFORATE STG #4 IN THE CASTLE PEAK, FROM 4,448' - 4,655'. @ 2 SPF, 120 DEGREE PHASING, 19.0 GRAM CHARGE, & EHD OF .39". CHARGE P/N IS TITAN EXP-3319-32P WITH PENETRATION OF 40.5. 44 TOTAL HOLES. PERFS: 4,448'-49', 4,485'-86', 4,488'-90', 4,526'-28', 4,532'-35', 4,538'-40', 4,581'-63', 4,571'-73', 4,814'-16', 4,823'-24', 4,827'-29', 4,846'-47', AND 4,854'-55'.

**BAKER TEST LINES AND FRAC STG #4 (CASTLE PEAK)**

WELL OPEN @ 437 PSI  
 BROKE DOWN 2.7 BPM @ 1,936  
 MAX RATE @ 71.7 BPM  
 MAX PSI @ 2,367  
 AVG RATE @ 71.1 BPM  
 AVG PSI @ 2,217  
 TOTAL FLUID OF 2,231 BBL  
 ISDP 1,129  
 FINAL FRAC GRADIENT .69  
 139,016 LBS OF 16/30 WHITE SAND  
 44 HOLES AND DROPPED 55 BIO SEALER BALLS, GOOD BALL ACTION.

SET CFP @ 4,270'. PERFORATE STG #5 IN THE DOUGLAS CREEK/BLACK SHALE, FROM 3,968' - 4,258'. @ 2 SPF, 120 DEGREE PHASING, 19.0 GRAM CHARGE, & EHD OF .39". CHARGE P/N IS TITAN EXP-3319-32P WITH PENETRATION OF 40.5. 38 TOTAL HOLES. PERFS: 3,968'-70', 4,001'-04', 4,008'-08', 4,010'-12', 4,014'-16', 4,084'-86', 4,105'-07', 4,164'-66', AND 4,256'-58'. LEAVE WELL S.I.

10/11/2013 13:10 - 10/11/2013 13:10

Operations at Report Time

Operations Next 24 Hours

LEAVE WELL S.I. AND PREP PAD FOR COMPLETION.

Operations Summary

BAKER FRAC STGS #5 & #6. CUTTERS PERF STG #6 & SET KILL PLUG. LEAVE WELL S.I. R/D AND SLIDE TO THE 12-4D-65.

**Time Log**

Com

CONDUCT JSA AND SAFETY MEETING WITH CUTTERS WIRELINE AND BAKER FRAC CREW.

**BAKER TEST LINES AND FRAC STG #5 (DOUGLAS CREEK/BLACK SHALE)**

WELL OPEN @ 370 PSI  
 BROKE DOWN 2.6 BPM @ 2,366  
 MAX RATE @ 73.3 BPM  
 MAX PSI @ 2,621  
 AVG RATE @ 72.4 BPM  
 AVG PSI @ 2,485  
 TOTAL FLUID OF 1,289 BBL  
 ISDP 1,466  
 FINAL FRAC GRADIENT .79  
 74,731 LBS OF 16/30 WHITE SAND  
 38 HOLES AND DROPPED 48 BIO SEALER BALLS, GOOD BALL ACTION.

SET CFP @ 3,740'. PERFORATE STG #6 IN THE DOUGLAS CREEK, FROM 3,604' - 3,724'. @ 2 SPF, 120 DEGREE PHASING, 19.0 GRAM CHARGE, & EHD OF .39". CHARGE P/N IS TITAN EXP-3319-32P WITH PENETRATION OF 40.5. 20 TOTAL HOLES. PERFS: 3,604'-06', 3,634'-36', 3,638'-40', 3,642'-44', AND 3,722'-24'.

**BAKER TEST LINES AND FRAC STG #6 (DOUGLAS CREEK)**

WELL OPEN @ 180 PSI  
 BROKE DOWN 6.8 BPM @ 1,717  
 MAX RATE @ 56.1 BPM  
 MAX PSI @ 3,616  
 AVG RATE @ 53.4 BPM  
 AVG PSI @ 3,257  
 TOTAL FLUID OF 566 BBL  
 ISDP 1,385  
 FINAL FRAC GRADIENT .82  
 29,447 LBS OF 16/30 WHITE SAND  
 20 HOLES AND DROPPED NO BIO SEALER BALLS.

CUTTERS SET KILL PLUG @ 3,536'.



Well Name: FEDERAL 6-4D-65

## OPERATIONS SUMMARY

**Time Log**

Com

BLOW WELL DOWN. RIG DOWN CUTTERS WIRELINE AND BAKER FRAC EQUIPMENT IN THE MORNING.

TOTAL BBLs PUMPED = 7,559 H2O  
 TOTAL BBLs PUMPED = 730 KCL  
 UTE TRUCKING HAULED KCL & WATER

2 WELL PAD  
 HAD A TOTAL OF 32 TANKS  
 16 CHARGED TO THIS WELL

**10/16/2013 13:10 - 10/16/2013 13:10**

Operations at Report Time	Operations Next 24 Hours
---------------------------	--------------------------

Operations Summary  
 PU tbg.

**Time Log**

Com

Hold safety meeting. MIRU Royal 2. NU BOP. RIH w/ 4 3/4" mill, bit sub and new 2 7/8" tbg. from pipe trailer, tallying and drifting, to 3536'. SWIFN.

**10/17/2013 13:10 - 10/18/2013 13:10**

Operations at Report Time	Operations Next 24 Hours
---------------------------	--------------------------

Operations Summary  
 PU rods.

**Time Log**

Com

Hold safety meeting. RIH w/ Central Hyd. 2 1/2" x 1 3/4" x 24' RHAC rod pump w/ 20' dip tube, 22- 1" guided rods (4 per), 86- 3/4" guided rods (4 per), 66- 7/8" guided rods (4 per), 44- 7/8" S-88 guided rods (4 per), 1 1/2" x 26' polished rod. Seat pump, Fill tbg. w/ 7 bbls. Stroke test pump to 800 psi. Good pump action. RD. PWOP. Final Report.

8296 BWTR.

**10/17/2013 13:10 - 10/17/2013 13:10**

Operations at Report Time	Operations Next 24 Hours
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Operations Summary  
 DU CBPs.

**Time Log**

Com

Hold safety meeting. Cont. RIH w/ tbg. Tag CBP @ 3536'. RU powerswivel. DU CBP in 11 min. 0 psi change. Cont. RIH w/ tbg. Tag fill @ 3705'. C/O to CBP @ 3740'. DU CBP in 20 min. 0 psi change. Cont. RIH w/ tbg. Tag fill @ 4156'. C/O to CBP @ 4270'. DU CBP in 9 min. 0 psi change. Cont. RIH w/ tbg. Tag fill @ 4610'. C/O to CBP @ 4670'. DU CBP in 14 min. 0 psi change. Cont. RIH w/ tbg. Tag fill @ 4820'. C/O to CBP @ 4840'. DU CBP in 24 min. 0 psi change. Cont. RIH w/ tbg. Tag fill @ 5080'. C/O to CBP @ 5110'. DU CBP in 17 min. 0 psi change. Cont. RIH w/ tbg. Tag @ 5679'. Circulate well clean. POOH w/ tbg. RIH w/ 2 jts 2 7/8" tbg., 4 perfed sub, PSN, 1 jt 2 7/8" tbg., Tech Tac 1/4 turn TA, 168 jts 2 7/8" tbg. ND BOP. Set TA @ 5453' w/ 14,000# tension. NU wellhead. SWIFN.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

ROUTING

CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**6/1/2014**

**FROM: (Old Operator):**

Berry Petroleum Company, LLC N4075  
 1999 Broadway Street, Suite 3700  
 Denver, CO 80202

Phone: 1 (303) 999-4400

**TO: (New Operator):**

Linn Operating, Inc. N4115  
 1999 Broadway Street, Suite 3700  
 Denver, CO 80202

Phone: 1 (303) 999-4400

CA No.

Unit:

**Berry Pilot EOR 246-02  
 Brundage Canyon**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/13/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/13/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/17/2014
- a. Is the new operator registered in the State of Utah: \_\_\_\_\_ Business Number: 9031632-0143
- 5a. (R649-9-2) Waste Management Plan has been received on: N/A
- 5b. Inspections of LA PA state/fee well sites complete on: Yes
- 5c. Reports current for Production/Disposition & Sundries on: 6/17/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA Not Yet
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: Not Yet
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 6/18/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/18/2014
- Bond information entered in RBDMS on: 6/23/2014
- Fee/State wells attached to bond in RBDMS on: 6/23/2014
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 6/18/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: Yes

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: NMB000501
- Indian well(s) covered by Bond Number: NMB000501
- 3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
- 3b. The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 6/23/2014

**COMMENTS:**

**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.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
2. NAME OF OPERATOR: <b>Linn Operating, Inc.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1999 Broadway, Ste 3700 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <b>UTAH</b>		8. WELL NAME and NUMBER:
PHONE NUMBER: <b>(303) 999-4400</b>		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Notice of Change of Operator from Berry Petroleum Company, LLC to Linn Operating, Inc., effective June 1, 2014. On December 16, 2013, Berry Petroleum Company became an indirect subsidiary of Linn Energy, LLC. As a result, Berry Petroleum Company converted into a limited liability company named, "Berry Petroleum Company, LLC". On March 5, 2014, Berry Petroleum Company, LLC authorized and empowered Linn Operating, Inc. to act as operator on its behalf. I have attached a copy of the original declaration amending the name change along with a copy of the agency agreement and power of attorney for the operator change.

**RECEIVED**  
**JUN 18 2014**  
Div. of Oil, Gas & Mining

NAME (PLEASE PRINT) <u>Beverly Decker</u>	TITLE <u>Sr Engineering Technician</u>
SIGNATURE <u><i>Beverly Decker</i></u>	DATE <u>6/1/2014</u>

(This space for State use only)

**APPROVED**  
**JUN 18 2014**  
DIV. OIL GAS & MINING  
BY: Rachel Medina

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

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See attached list</b>
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:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>Berry Petroleum Company, LLC</b>		8. WELL NAME and NUMBER:
3. ADDRESS OF OPERATOR: 1999 Broadway, Ste 3700      CITY Denver      STATE CO      ZIP 80202		9. API NUMBER:
PHONE NUMBER: <b>(303) 999-4400</b>		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: <b>UTAH</b>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Change of operator</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On December 16th, 2013 Berry Petroleum Company and Linn Energy merged. As a result of this merger the companies name has changed to "Berry Petroleum Company, LLC". On March 5th, 2014 Berry Petroleum Company, LLC agreed that Linn Operating, Inc would become the operator of record effective June 1, 2014. I have attached a copy of the original declaration amending the name change along with a copy of the agency agreement and power of attorney for the operator change.

Should you have any questions please don't hesitate to contact me.

**RECEIVED**  
**JUN 13 2014**  
Div. of Oil, Gas & Mining

NAME (PLEASE PRINT) <u>Beverly Decker</u>	TITLE <u>Sr Engineering Technician</u>
SIGNATURE	DATE <u>6/1/2014</u>

(This space for State use only)

**APPROVED**  
**JUN 18 2014**  
DIV. OIL GAS & MINING  
BY:

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

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	See Attached
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section                      Township                      Range:
<b>Company that filed original application:</b>	Berry Petroleum Company LLC
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Linn Operating, Inc

Check one	Desired Action:
<input type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>LPM9149893</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Beverly Decker Title Sr Engineering Technician  
 Signature *Beverly Decker* Date \_\_\_\_\_  
 Representing (company name) Berry Petroleum Company LLC and Linn Operating, Inc

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

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

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	See Attached
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:            Section:            Township            Range:
<b>Company that filed original application:</b>	Berry Petroleum Company LLC
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Linn Operating, Inc

Check one	Desired Action:
<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> If so, has the surface agreement been updated?	<input type="checkbox"/>	<input type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>LPM9149893</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) Beverly Decker Title Sr Engineering Technician  
 Signature *Beverly Decker* Date \_\_\_\_\_  
 Representing (company name) Berry Petroleum Company LLC and Linn Operating, Inc

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

Berry Petroleum Company, LLC (N4075) to Linn Operating, Inc. (N4115)  
Effective June 1, 2014

Well Name	Section	TWN	RNG	API Number	Entity	Mineral Lease	Well Type	Well Status	Unit
Z and T UTE TRIBAL 2-21	21	050S	040W	4301331280	11130	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 12-30-54	30	050S	040W	4301332747	14747	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 14-30-54	30	050S	040W	4301332748	14778	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 10-30D-54	30	050S	040W	4301332893	15246	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 6-30-54	30	050S	040W	4301332975	15300	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 1-21-54	21	050S	040W	4301333388	15937	Indian	WI	A	BRUNDAGE CANYON
UTE TRIBAL 13-17D-55	17	050S	050W	4301333550		Indian	OW	APD	
UTE TRIBAL 11-14D-54	14	050S	040W	4301333596		Indian	OW	APD	
UTE TRIBAL 16-17D-55	17	050S	050W	4301333622		Indian	OW	APD	
UTE TRIBAL 15-28D-55	28	050S	050W	4301333623		Indian	OW	APD	
LC TRIBAL 14-16D-56	16	050S	060W	4301334283		Indian	OW	APD	
FEDERAL 10-10D-65	10	060S	050W	4301350523		Federal	OW	APD	
LC TRIBAL 3-23D-56	23	050S	060W	4301350624		Indian	OW	APD	
FEDERAL 2-1D-64	1	060S	040W	4301350765		Federal	OW	APD	
FEDERAL 7-1D-64	1	060S	040W	4301350766		Federal	OW	APD	
FEDERAL 9-1D-64	1	060S	040W	4301350767		Federal	OW	APD	
LC TRIBAL 1-28D-56	28	050S	060W	4301350865		Indian	OW	APD	
LC TRIBAL 13H-9-56	10	050S	060W	4301350874		Indian	OW	APD	
CC FEE 8-24-38	24	030S	080W	4301350885		Fee	OW	APD	
LC TRIBAL 4H-26-56	26	050S	060W	4301350951		Indian	OW	APD	
LC FEE 4H-12-57	12	050S	070W	4301350952		Fee	OW	APD	
CC TRIBAL 4-2-48	2	040S	080W	4301350964		Indian	OW	APD	
LC TRIBAL 5H-34-45	34	040S	050W	4301350974		Indian	OW	APD	
LC TRIBAL 11-34-45	34	040S	050W	4301350975		Indian	OW	APD	
LC TRIBAL 7-2D-56	2	050S	060W	4301350988		Indian	OW	APD	
LC TRIBAL 10-18D-56	18	050S	060W	4301350989		Indian	OW	APD	
CC TRIBAL 4-30D-38	19	030S	080W	4301350993		Indian	OW	APD	
FEDERAL 4-1-65	1	060S	050W	4301351016		Federal	OW	APD	
LC TRIBAL 3-16D-56	16	050S	060W	4301351032		Indian	OW	APD	
CC FEE 6-21-38	21	030S	080W	4301351059		Fee	OW	APD	
LC TRIBAL 13H-28-45	28	040S	050W	4301351061		Indian	OW	APD	
LC TRIBAL 5H-23-45	23	040S	050W	4301351071		Indian	OW	APD	
LC TRIBAL 4H-27-45	27	040S	050W	4301351072		Indian	OW	APD	
LC TRIBAL 16-27-45	27	040S	050W	4301351074		Indian	OW	APD	
LC TRIBAL 12-27-45	27	040S	050W	4301351075		Indian	OW	APD	
LC TRIBAL 16-23-45	23	040S	050W	4301351077		Indian	OW	APD	
LC TRIBAL 12H-30-56	30	050S	060W	4301351133		Indian	OW	APD	
LC TRIBAL 5-29D-56	29	050S	060W	4301351184		Indian	OW	APD	
LC TRIBAL 12H-19-56	19	050S	060W	4301351193		Indian	OW	APD	
LC FEE 15-11D-56	11	050S	060W	4301351197		Fee	OW	APD	
LC TRIBAL 13H-10-56	11	050S	060W	4301351209		Indian	OW	APD	
LC TRIBAL 2-31D-45	31	040S	050W	4301351261		Indian	OW	APD	
LC TRIBAL 13H-24-45	24	040S	050W	4301351273		Indian	OW	APD	
UTE TRIBAL 6-21D-55	21	050S	050W	4301351274		Indian	OW	APD	
UTE TRIBAL 15-16D-55	16	050S	050W	4301351284		Indian	OW	APD	
UTE TRIBAL 4H-15-55	15	050S	050W	4301351292		Indian	OW	APD	
UTE TRIBAL 13H-14-54	14	050S	040W	4301351297		Indian	OW	APD	
UTE TRIBAL 1-32-55	32	050S	050W	4301351298		Indian	OW	APD	
UTE TRIBAL 4-21D-55	21	050S	050W	4301351299		Indian	OW	APD	
LC TRIBAL 12-33-45	33	040S	050W	4301351301		Indian	OW	APD	
UTE TRIBAL 16-15D-55	15	050S	050W	4301351302		Indian	OW	APD	
UTE TRIBAL 2-24-55	24	050S	050W	4301351304		Indian	OW	APD	
LC TRIBAL 11-32D-56	32	050S	060W	4301351315		Indian	OW	APD	
LC TRIBAL 1-32D-56	32	050S	060W	4301351317		Indian	OW	APD	
LC TRIBAL 5H-32-56	32	050S	060W	4301351318		Indian	OW	APD	
LC TRIBAL 5H-33-45	33	040S	050W	4301351338		Indian	OW	APD	
LC TRIBAL 14-28-45	28	040S	050W	4301351339		Indian	OW	APD	
LC TRIBAL 16-32D-45	32	040S	050W	4301351340		Indian	OW	APD	
LC TRIBAL 3-31-45	31	040S	050W	4301351347		Indian	OW	APD	
LC TRIBAL 1-18D-56	18	050S	060W	4301351367		Indian	OW	APD	
LC TRIBAL 9-18D-56	18	050S	060W	4301351368		Indian	OW	APD	
LC FEE 9-23D-56	23	050S	060W	4301351380		Fee	OW	APD	
LC TRIBAL 1-34D-45	34	040S	050W	4301351382		Indian	OW	APD	
LC TRIBAL 12-21D-56	21	050S	060W	4301351383		Indian	OW	APD	
LC TRIBAL 7-29D-56	29	050S	060W	4301351386		Indian	OW	APD	

Berry Petroleum Company, LLC (N4075) to Linn Operating, Inc. (N4115)  
 Effective June 1, 2014

UTE TRIBAL 6-15-55	15	050S	050W	4301351399	Indian	OW	APD
UTE TRIBAL 13H-21-55	21	050S	050W	4301351403	Indian	OW	APD
LC TRIBAL 6-16D-56	16	050S	060W	4301351406	Indian	OW	APD
LC TRIBAL 3-14D-56	14	050S	060W	4301351408	Indian	OW	APD
CC FEE 13-9D-37	9	030S	070W	4301351409	Fee	OW	APD
CC FEE 16-21D-38	21	030S	080W	4301351410	Fee	OW	APD
UTE TRIBAL 5H-10-54	10	050S	040W	4301351415	Indian	OW	APD
LC TRIBAL 13-6D-57	6	050S	070W	4301351417	Indian	OW	APD
LC TRIBAL 9-23-45	23	040S	050W	4301351432	Indian	OW	APD
LC TRIBAL 5-28D-56	29	050S	060W	4301351441	Indian	OW	APD
LC TRIBAL 15-20D-56	29	050S	060W	4301351443	Indian	OW	APD
LC FEE 14-1-56	1	050S	060W	4301351457	Fee	OW	APD
LC TRIBAL 5-3D-56	3	050S	060W	4301351459	Indian	OW	APD
LC Tribal 16-33-45	33	040S	050W	4301351463	Indian	OW	APD
LC TRIBAL 7-23D-56	23	050S	060W	4301351479	Indian	OW	APD
LC TRIBAL 4-7-56	7	050S	060W	4301351482	Indian	OW	APD
LC TRIBAL 3-2-56	2	050S	060W	4301351483	Indian	OW	APD
LC TRIBAL 12H-23-56	23	050S	060W	4301351488	Indian	OW	APD
CC TRIBAL 15-34D-38	2	040S	080W	4301351490	Indian	OW	APD
CC TRIBAL 14-35D-38	2	040S	080W	4301351491	Indian	OW	APD
CC TRIBAL 8-3D-48	2	040S	080W	4301351493	Indian	OW	APD
LC TRIBAL 12HH-31-45	32	040S	050W	4301351499	Indian	OW	APD
LC TRIBAL 1-10D-56	10	050S	060W	4301351510	Indian	OW	APD
LC TRIBAL 3-10D-56	10	050S	060W	4301351511	Indian	OW	APD
LC TRIBAL 7-10D-56	10	050S	060W	4301351512	Indian	OW	APD
LC TRIBAL 9-29D-56	29	050S	060W	4301351513	Indian	OW	APD
UTE TRIBAL 1-16-55	16	050S	050W	4301351519	Indian	OW	APD
CC Tribal 3-27D-38	27	030S	080W	4301351604	Indian	OW	APD
LC FEE 10-36D-56	36	050S	060W	4301351622	Fee	OW	APD
Myrin Fee 3-16D-55	16	050S	050W	4301351633	Fee	OW	APD
LC TRIBAL 12H-34-56	34	050S	060W	4301351634	Indian	OW	APD
UTE FEE 12-16D-55	16	050S	050W	4301351635	Fee	OW	APD
LC TRIBAL 15-27-56	27	050S	060W	4301351649	Indian	OW	APD
LC TRIBAL 11-27D-56	27	050S	060W	4301351650	Indian	OW	APD
LC TRIBAL 1-17-56	17	050S	060W	4301351704	Indian	OW	APD
LC Tribal 13-11D-58	11	050S	080W	4301351708	Indian	OW	APD
LC Tribal 15-11D-58	11	050S	080W	4301351709	Indian	OW	APD
LC Tribal 4HW-8-56	8	050S	060W	4301351710	Indian	OW	APD
LC FEE 1-11D-56	11	050S	060W	4301351712	Fee	OW	APD
LC TRIBAL 3-11D-56	11	050S	060W	4301351713	Indian	OW	APD
LC TRIBAL 7-11D-56	11	050S	060W	4301351714	Indian	OW	APD
LC TRIBAL 9-34D-45	34	040S	050W	4301351717	Indian	OW	APD
LC Tribal 8M-23-45	23	040S	050W	4301351722	Indian	OW	APD
LC TRIBAL 4-34D-45	34	040S	050W	4301351723	Indian	OW	APD
LC TRIBAL 7-34D-45	34	040S	050W	4301351724	Indian	OW	APD
LC Tribal 3-14D-58	11	050S	080W	4301351726	Indian	OW	APD
LC Tribal 11-11D-58	11	050S	080W	4301351729	Indian	OW	APD
LC TRIBAL 8-31D-56	31	050S	060W	4301351746	Indian	OW	APD
LC TRIBAL 13-34D-45	34	040S	050W	4301351747	Indian	OW	APD
LC Fee 2-6D-57	6	050S	070W	4301351749	Fee	OW	APD
LC Tribal 15-12D-58	12	050S	080W	4301351783	Indian	OW	APD
LC Tribal 9-12D-58	12	050S	080W	4301351784	Indian	OW	APD
LC Tribal 1-13D-58	12	050S	080W	4301351785	Indian	OW	APD
LC Tribal 13-7D-57	12	050S	080W	4301351786	Indian	OW	APD
LC Tribal 9-2D-58	2	050S	080W	4301351788	Indian	OW	APD
LC Tribal 1-2D-58	2	050S	080W	4301351789	Indian	OW	APD
LC Tribal 5-1D-58	2	050S	080W	4301351790	Indian	OW	APD
LC TRIBAL 12-31D-56	31	050S	060W	4301351799	Indian	OW	APD
LC TRIBAL 8-20D-56	20	050S	060W	4301351800	Indian	OW	APD
LC TRIBAL 6-31D-56	31	050S	060W	4301351801	Indian	OW	APD
LC Tribal 11-7D-57	7	050S	070W	4301351814	Indian	OW	APD
LC Tribal 5-7D-57	7	050S	070W	4301351815	Indian	OW	APD
LC Fee 15-6D-57	6	050S	070W	4301351816	Fee	OW	APD
LC Tribal 11-6D-57	6	050S	070W	4301351817	Indian	OW	APD
LC TRIBAL 9-27-56	27	050S	060W	4301351822	Indian	OW	APD
LC TRIBAL 7-27D-56	27	050S	060W	4301351823	Indian	OW	APD

Berry Petroleum Company, LLC (N4075) to Linn Operating, Inc. (N4115)  
 Effective June 1, 2014

LC Fee 7-31D-45	31	040S	050W	4301351857	Fee	OW	APD
LC Tribal 5-31D-45	31	040S	050W	4301351858	Indian	OW	APD
LC Tribal 8-33-45	33	040S	050W	4301351859	Indian	OW	APD
LC Tribal 16-31-45	31	040S	050W	4301351863	Indian	OW	APD
LC Tribal 7-23D-45	23	040S	050W	4301351865	Indian	OW	APD
LC Tribal 1-23D-56	23	050S	060W	4301351866	Indian	OW	APD
LC TRIBAL 1-19-56	19	050S	060W	4301351867	Indian	OW	APD
LC TRIBAL 7-19D-56	19	050S	060W	4301351868	Indian	OW	APD
LC TRIBAL 9-4D-56	4	050S	060W	4301351869	Indian	OW	APD
LC Tribal 14-32D-45	32	040S	050W	4301351879	Indian	OW	APD
LC TRIBAL 7-17D-56	17	050S	060W	4301351886	Indian	OW	APD
LC TRIBAL 5-17D-56	17	050S	060W	4301351887	Indian	OW	APD
LC FEE 4-32D-45	31	040S	050W	4301351892	Fee	OW	APD
LC TRIBAL 9-2D-56	2	050S	060W	4301351893	Indian	OW	APD
LC TRIBAL 1-2D-56	2	050S	060W	4301351894	Indian	OW	APD
LC Tribal 15-23D-45	23	040S	050W	4301351895	Indian	OW	APD
LC TRIBAL 11-34D-56	34	050S	060W	4301351900	Indian	OW	APD
LC TRIBAL 9-5D-56	4	050S	060W	4301351901	Indian	OW	APD
LC Tribal 10-28D-45	28	040S	050W	4301351903	Indian	OW	APD
LC TRIBAL 13-20D-56	20	050S	060W	4301351904	Indian	OW	APD
Ute Tribal 14-17-55	17	050S	050W	4301351908	Indian	OW	APD
LC Tribal 3-27D-45	27	040S	050W	4301351911	Indian	OW	APD
LC TRIBAL 9-34D-56	34	050S	060W	4301351914	Indian	OW	APD
CC Fee 8R-9-37	9	030S	070W	4301351937	Fee	OW	APD
LC Tribal 10-33D-45	33	040S	050W	4301351939	Indian	OW	APD
LC Tribal 14-33D-45	33	040S	050W	4301351940	Indian	OW	APD
LC Tribal 10-27D-45	27	040S	050W	4301351941	Indian	OW	APD
LC Tribal 14-27D-45	27	040S	050W	4301351951	Indian	OW	APD
LC Tribal 6-33D-45	33	040S	050W	4301351955	Indian	OW	APD
LC Tribal 6-32D-45	32	040S	050W	4301351956	Indian	OW	APD
Federal 3-11D-65	11	060S	050W	4301351982	Federal	OW	APD
Federal 2-4-64	4	060S	040W	4301351983	Federal	OW	APD
Federal 5-11D-65	11	060S	050W	4301351984	Federal	OW	APD
Federal 7-4D-64	4	060S	040W	4301351985	Federal	OW	APD
Federal 3-4D-64	4	060S	040W	4301351986	Federal	OW	APD
Federal 8-4D-64	4	060S	040W	4301351988	Federal	OW	APD
Federal 6-4D-64	4	060S	040W	4301351989	Federal	OW	APD
Federal 7-9D-64	9	060S	040W	4301351990	Federal	OW	APD
Federal 4-4D-64	4	060S	040W	4301351991	Federal	OW	APD
Federal 9-4D-64	4	060S	040W	4301352004	Federal	OW	APD
Federal 10-4D-64	4	060S	040W	4301352011	Federal	OW	APD
Federal 3-9D-64	9	060S	040W	4301352015	Federal	OW	APD
Federal 1-9D-64	9	060S	040W	4301352020	Federal	OW	APD
Federal 6-9-64	9	060S	040W	4301352021	Federal	OW	APD
Federal 8-9D-64	9	060S	040W	4301352023	Federal	OW	APD
Federal 1-4D-64	4	060S	040W	4301352025	Federal	OW	APD
Federal 16-4D-64	4	060S	040W	4301352026	Federal	OW	APD
LC Tribal 10-23D-45	23	040S	050W	4301352029	Indian	OW	APD
Federal 15-4D-64	4	060S	040W	4301352032	Federal	OW	APD
Federal 5-9D-64	9	060S	040W	4301352035	Federal	OW	APD
Federal 9-9D-64	9	060S	040W	4301352036	Federal	OW	APD
Federal 11-9D-64	9	060S	040W	4301352037	Federal	OW	APD
Federal 12-9D-64	9	060S	040W	4301352038	Federal	OW	APD
Federal 13-9D-64	9	060S	040W	4301352039	Federal	OW	APD
FEDERAL 14-9D-64	9	060S	040W	4301352040	Federal	OW	APD
Federal 10-9D-64	9	060S	040W	4301352041	Federal	OW	APD
Federal 2-9D-64	9	060S	040W	4301352042	Federal	OW	APD
Federal 15-9D-64	9	060S	040W	4301352043	Federal	OW	APD
Federal 16-9D-64	9	060S	040W	4301352044	Federal	OW	APD
LC Tribal 10-32D-45	32	040S	050W	4301352065	Indian	OW	APD
LC Tribal 16-28D-45	28	040S	050W	4301352073	Indian	OW	APD
LC Tribal 15-24D-45	24	040S	050W	4301352074	Indian	OW	APD
LC Tribal 13-17D-56	17	050S	060W	4301352076	Indian	OW	APD
LC Tribal 15-17D-56	17	050S	060W	4301352077	Indian	OW	APD
LC Tribal 5-26D-56	26	050S	060W	4301352097	Indian	OW	APD
LC Tribal 11-26D-56	26	050S	060W	4301352098	Indian	OW	APD

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LC Tribal 13-26D-56	26	050S	060W	4301352099	Indian	OW	APD	
LC Tribal 2-27D-45	27	040S	050W	4301352100	Indian	OW	APD	
LC Tribal 8-27D-45	27	040S	050W	4301352101	Indian	OW	APD	
LC Tribal 4-9D-56	9	050S	060W	4301352102	Indian	OW	APD	
LC Tribal 8-32D-45	32	040S	050W	4301352135	Indian	OW	APD	
UTE Tribal 15-24D-54	24	050S	040W	4301352156	Indian	GW	APD	
UTE Tribal 9-24D-54	24	050S	040W	4301352157	Indian	GW	APD	
UTE Tribal 1-25D-54	25	050S	040W	4301352173	Indian	GW	APD	
UTE Tribal 9-25D-54	25	050S	040W	4301352177	Indian	GW	APD	
Myrin Tribal 9-10D-55	10	050S	050W	4301352189	Indian	OW	APD	
Myrin Tribal 16-10D-55	10	050S	050W	4301352190	Indian	OW	APD	
Myrin Tribal 10-10D-55	10	050S	050W	4301352191	Indian	OW	APD	
UTE Tribal 1-24D-54	24	050S	040W	4301352304	Indian	GW	APD	
UTE Tribal 7-24D-54	24	050S	040W	4301352306	Indian	GW	APD	
UTE Tribal 12-25D-54	25	050S	040W	4301352308	Indian	GW	APD	
UTE Tribal 4-13D-54	13	050S	040W	4301352321	Indian	GW	APD	
UTE Tribal 13-25D-54	25	050S	040W	4301352322	Indian	GW	APD	
Abbott Fee 1-6D-54	6	050S	040W	4301352324	Fee	OW	APD	
Abbott Fee 7-6D-54	6	050S	040W	4301352327	Fee	OW	APD	
UTE Tribal 3-24D-54	24	050S	040W	4301352347	Indian	GW	APD	
UTE Tribal 5-24D-54	24	050S	040W	4301352348	Indian	GW	APD	
State Tribal 7-12D-55	12	050S	050W	4301352369	Indian	OW	APD	
State Tribal 14-1D-55	1	050S	050W	4301352372	Indian	OW	APD	
State Tribal 11-1D-55	1	050S	050W	4301352373	Indian	OW	APD	
State Tribal 13-1D-55	1	050S	050W	4301352374	Indian	OW	APD	
State Tribal 12-2D-55	2	050S	050W	4301352391	Indian	OW	APD	
State Tribal 14-2D-55	2	050S	050W	4301352392	Indian	OW	APD	
State Tribal 13-2D-55	2	050S	050W	4301352393	Indian	OW	APD	
State Tribal 14-3D-55	3	050S	050W	4301352430	Indian	OW	APD	
State Tribal 11-3D-55	3	050S	050W	4301352434	Indian	OW	APD	
State Tribal 13-3D-55	3	050S	050W	4301352435	Indian	OW	APD	
UTE TRIBAL 2-5D-55	5	050S	050W	4301352450	Indian	OW	APD	
Ute Tribal 1-5D-55	5	050S	050W	4301352456	Indian	OW	APD	BRUNDAGE CANYON
Ute Tribal 7-5-55	5	050S	050W	4301352459	Indian	OW	APD	
Ute Tribal 3-16D-54	9	050S	040W	4301352467	Indian	OW	APD	
State Tribal 1-3D-55	3	050S	050W	4301352471	Indian	OW	APD	
State Tribal 2-3D-55	3	050S	050W	4301352472	Indian	OW	APD	
State Tribal 7-3D-55	3	050S	050W	4301352473	Indian	OW	APD	
State Tribal 8-3D-55	3	050S	050W	4301352474	Indian	OW	APD	
UTE FEE 10-9D-54	9	050S	040W	4301352475	Fee	OW	APD	
UTE FEE 12-9D-54	9	050S	040W	4301352476	Fee	OW	APD	
UTE FEE 16-9D-54	9	050S	040W	4301352478	Fee	OW	APD	
Ute Tribal 2-16D-54	9	050S	040W	4301352481	Indian	OW	APD	
Federal 14-6D-65	6	060S	050W	4301352495	Federal	OW	APD	
Federal 13-6D-65	6	060S	050W	4301352496	Federal	OW	APD	
Federal 11-6D-65	6	060S	050W	4301352497	Federal	OW	APD	
Federal 10-6D-65	6	060S	050W	4301352498	Federal	OW	APD	
State Tribal 3-3D-55	3	050S	050W	4301352532	Indian	OW	APD	
State Tribal 4-3D-55	3	050S	050W	4301352533	Indian	OW	APD	
State Tribal 5-3D-55	3	050S	050W	4301352535	Indian	OW	APD	
State Tribal 6-3D-55	3	050S	050W	4301352536	Indian	OW	APD	
Federal 2-7D-65	7	060S	050W	4301352537	Federal	OW	APD	
Federal 5-7D-65	7	060S	050W	4301352538	Federal	OW	APD	
Federal 4-7D-65	7	060S	050W	4301352541	Federal	OW	APD	
UTE FEE 11-9D-54	9	050S	040W	4301352544	Fee	OW	APD	
UTE TRIBAL 15-12D-55	12	050S	050W	4301352549	Indian	OW	APD	
UTE TRIBAL 6-5D-55	5	050S	050W	4301352556	Indian	OW	APD	
UTE TRIBAL 5-5D-55	5	050S	050W	4301352557	Indian	OW	APD	
UTE TRIBAL 4-5D-55	5	050S	050W	4301352558	Indian	OW	APD	
UTE TRIBAL 3-5D-55	5	050S	050W	4301352559	Indian	OW	APD	
Federal 3-7-65	7	060S	050W	4301352560	Federal	OW	APD	
Ute Tribal 9-11D-55	11	050S	050W	4301352564	Indian	OW	APD	
UTE TRIBAL 10-11D-55	11	050S	050W	4301352566	Indian	OW	APD	
UTE TRIBAL 15-11D-55	11	050S	050W	4301352567	Indian	OW	APD	
Federal 1-7D-65	6	060S	050W	4301352589	Federal	OW	APD	
Federal 16-6D-65	6	060S	050W	4301352590	Federal	OW	APD	

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Federal 15-6D-65	6	060S	050W	4301352591	Federal	OW	APD
UTE TRIBAL 14-12D-55	12	050S	050W	4301352592	Indian	OW	APD
UTE TRIBAL 13-12D-55	12	050S	050W	4301352593	Indian	OW	APD
UTE TRIBAL 10-11D-54	11	050S	040W	4301352603	Indian	OW	APD
UTE TRIBAL 9-11D-54	11	050S	040W	4301352604	Indian	OW	APD
UTE TRIBAL 15-11-54	11	050S	040W	4301352605	Indian	OW	APD
UTE TRIBAL 16-11D-54	11	050S	040W	4301352606	Indian	OW	APD
UTE TRIBAL 14-11D-55	11	050S	050W	4301352610	Indian	OW	APD
UTE TRIBAL 13-11D-55	11	050S	050W	4301352611	Indian	OW	APD
UTE TRIBAL 12-11D-55	11	050S	050W	4301352612	Indian	OW	APD
UTE TRIBAL 11-11D-55	11	050S	050W	4301352613	Indian	OW	APD
Federal 6-7D-65	7	060S	050W	4301352682	Federal	OW	APD
Federal 11-7D-65	7	060S	050W	4301352683	Federal	OW	APD
Federal 10-7D-65	7	060S	050W	4301352684	Federal	OW	APD
Federal 7-7D-65	7	060S	050W	4301352685	Federal	OW	APD
UTE TRIBAL 14-30D-55	30	050S	050W	4301352687	Indian	OW	APD
UTE TRIBAL 13-30D-55	30	050S	050W	4301352688	Indian	OW	APD
UTE TRIBAL 12-30D-55	30	050S	050W	4301352689	Indian	OW	APD
UTE TRIBAL 11-30D-55	30	050S	050W	4301352690	Indian	OW	APD
UTE TRIBAL 7-17D-55	17	050S	050W	4301352691	Indian	OW	APD
UTE TRIBAL 6-17D-55	17	050S	050W	4301352692	Indian	OW	APD
UTE TRIBAL 3-17D-55	17	050S	050W	4301352693	Indian	OW	APD
UTE TRIBAL 2-17D-55	17	050S	050W	4301352694	Indian	OW	APD
UTE TRIBAL 4-17D-55	17	050S	050W	4301352695	Indian	OW	APD
State Tribal 3-12D-55	12	050S	050W	4301352697	Indian	OW	APD
State Tribal 4-12D-55	12	050S	050W	4301352698	Indian	OW	APD
UTE TRIBAL 12-31D-55	31	050S	050W	4301352699	Indian	OW	APD
UTE TRIBAL 13-31D-55	31	050S	050W	4301352700	Indian	OW	APD
UTE TRIBAL 14-31D-55	31	050S	050W	4301352701	Indian	OW	APD
UTE TRIBAL 14-13D-54	13	050S	040W	4301352702	Indian	OW	APD
UTE TRIBAL 11-31-55	31	050S	050W	4301352703	Indian	OW	APD
State Tribal 3-11D-55	11	050S	050W	4301352704	Indian	OW	APD
State Tribal 4-11D-55	11	050S	050W	4301352705	Indian	OW	APD
State Tribal 5-11D-55	11	050S	050W	4301352706	Indian	OW	APD
State Tribal 6-11D-55	11	050S	050W	4301352707	Indian	OW	APD
State Tribal 8-11D-55	11	050S	050W	4301352708	Indian	OW	APD
State Tribal 7-11D-55	11	050S	050W	4301352709	Indian	OW	APD
State Tribal 2-11D-55	11	050S	050W	4301352710	Indian	OW	APD
State Tribal 1-11D-55	11	050S	050W	4301352711	Indian	OW	APD
UTE TRIBAL 9-4D-55	4	050S	050W	4301352713	Indian	OW	APD
State Tribal 2-10D-55	10	050S	050W	4301352714	Indian	OW	APD
State Tribal 7-10D-55	10	050S	050W	4301352715	Indian	OW	APD
State Tribal 8-10D-55	10	050S	050W	4301352716	Indian	OW	APD
UTE TRIBAL 10-4D-55	4	050S	050W	4301352717	Indian	OW	APD
UTE TRIBAL 15-4D-55	4	050S	050W	4301352718	Indian	OW	APD
State Tribal 1-10D-55	10	050S	050W	4301352720	Indian	OW	APD
UTE TRIBAL 16-4D-55	4	050S	050W	4301352721	Indian	OW	APD
State Tribal 3-10D-55	10	050S	050W	4301352723	Indian	OW	APD
State Tribal 4-10D-55	10	050S	050W	4301352724	Indian	OW	APD
State Tribal 5-10D-55	10	050S	050W	4301352725	Indian	OW	APD
State Tribal 6-10D-55	10	050S	050W	4301352726	Indian	OW	APD
UTE TRIBAL 11-5D-55	5	050S	050W	4301352727	Indian	OW	APD
UTE TRIBAL 12-5D-55	5	050S	050W	4301352728	Indian	OW	APD
UTE TRIBAL 13-5D-55	5	050S	050W	4301352729	Indian	OW	APD
UTE TRIBAL 14-5D-55	5	050S	050W	4301352730	Indian	OW	APD
UTE TRIBAL 9-30D-55	30	050S	050W	4301352731	Indian	OW	APD
State Tribal 15-2D-55	2	050S	050W	4301352732	Indian	OW	APD
State Tribal 16-2D-55	2	050S	050W	4301352733	Indian	OW	APD
State Tribal 10-2D-55	2	050S	050W	4301352734	Indian	OW	APD
State Tribal 9-2D-55	2	050S	050W	4301352735	Indian	OW	APD
UTE TRIBAL 10-30D-55	30	050S	050W	4301352736	Indian	OW	APD
UTE TRIBAL 15-30D-55	30	050S	050W	4301352737	Indian	OW	APD
UTE TRIBAL 16-30D-55	30	050S	050W	4301352738	Indian	OW	APD
Myrin Tribal 9-19D-55	19	050S	050W	4301352739	Indian	OW	APD
State Tribal 16-3D-55	3	050S	050W	4301352740	Indian	OW	APD
State Tribal 15-3D-55	3	050S	050W	4301352741	Indian	OW	APD

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State Tribal 10-3D-55	3	050S	050W	4301352742		Indian	OW	APD	
State Tribal 9-3D-55	3	050S	050W	4301352743		Indian	OW	APD	
Myrin Tribal 15-19D-55	19	050S	050W	4301352744		Indian	OW	APD	
Myrin Tribal 13-19D-55	19	050S	050W	4301352745		Indian	OW	APD	
Myrin Tribal 12-19D-55	19	050S	050W	4301352746		Indian	OW	APD	
UTE TRIBAL 5-4D-55	4	050S	050W	4301352747		Indian	OW	APD	
UTE TRIBAL 4-4D-55	4	050S	050W	4301352748		Indian	OW	APD	
UTE TRIBAL 3-4D-55	4	050S	050W	4301352749		Indian	OW	APD	
UTE TRIBAL 6-4D-55	4	050S	050W	4301352754		Indian	OW	APD	
UTE TRIBAL 3-31D-55	31	050S	050W	4301352757		Indian	OW	APD	
UTE TRIBAL 5-31D-55	31	050S	050W	4301352758		Indian	OW	APD	
UTE TRIBAL 6-31D-55	31	050S	050W	4301352759		Indian	OW	APD	
UTE TRIBAL 7-31D-55	31	050S	050W	4301352764		Indian	OW	APD	
Myrin Tribal 11-19D-55	19	050S	050W	4301352765		Indian	OW	APD	
Federal 8-14D-65	14	060S	050W	4301352767		Federal	OW	APD	
Federal 7-14D-65	14	060S	050W	4301352768		Federal	OW	APD	
Federal 2-14D-65	14	060S	050W	4301352769		Federal	OW	APD	
Federal 1-14D-65	14	060S	050W	4301352770		Federal	OW	APD	
UTE TRIBAL 8-5D-55	5	050S	050W	4301352773		Indian	OW	APD	
UTE TRIBAL 4-31D-55	31	050S	050W	4301352795		Indian	OW	APD	
UTE TRIBAL 4-30D-55	30	050S	050W	4301352796		Indian	OW	APD	
UTE TRIBAL 5-30D-55	30	050S	050W	4301352797		Indian	OW	APD	
UTE TRIBAL 7-30D-55	30	050S	050W	4301352799		Indian	OW	APD	
Federal 1-13D-65	13	060S	050W	4301352800		Federal	OW	APD	
Federal 7-13D-65	13	060S	050W	4301352802		Federal	OW	APD	
UTE TRIBAL 1-30D-55	30	050S	050W	4301352809		Indian	OW	APD	
LC TRIBAL 6-25D-56	25	050S	060W	4301352810		Indian	OW	APD	
LC TRIBAL 4-25D-56	25	050S	060W	4301352812		Indian	OW	APD	
Federal 6-13D-65	13	060S	050W	4301352813		Federal	OW	APD	
Federal 4-13D-65	13	060S	050W	4301352814		Federal	OW	APD	
Federal 3-13D-65	13	060S	050W	4301352815		Federal	OW	APD	
Federal 3-16D-64	16	060S	040W	4301352823		Federal	OW	APD	
Federal 4-16D-64	16	060S	040W	4301352824		Federal	OW	APD	
Federal 5-16D-64	16	060S	040W	4301352825		Federal	OW	APD	
Federal 6-16D-64	16	060S	040W	4301352826		Federal	OW	APD	
Federal 5-13D-65	13	060S	050W	4301352827		Federal	OW	APD	
LC TRIBAL 1-25D-56	25	050S	060W	4301352835		Indian	OW	APD	
LC TRIBAL 2-25D-56	25	050S	060W	4301352836		Indian	OW	APD	
LC TRIBAL 8-25D-56	25	050S	060W	4301352837		Indian	OW	APD	
UTE FEE 1-13D-55	13	050S	050W	4301352838		Fee	OW	APD	
LC TRIBAL 9-25D-56	25	050S	060W	4301352840		Indian	OW	APD	
LC TRIBAL 15-25-56	25	050S	060W	4301352844		Indian	OW	APD	
Federal 9-5D-65	5	060S	050W	4301352846		Federal	OW	APD	
Federal 10-5D-65	5	060S	050W	4301352847		Federal	OW	APD	
LC TRIBAL 16-25D-56	25	050S	060W	4301352848		Indian	OW	APD	
LC TRIBAL 10-25D-56	25	050S	060W	4301352849		Indian	OW	APD	
UTE TRIBAL 8-30D-55	29	050S	050W	4301352855		Indian	OW	APD	
UTE TRIBAL 9-29D-55	29	050S	050W	4301352870		Indian	OW	APD	
UTE TRIBAL 6-24D-55	24	050S	050W	4301352871		Indian	OW	APD	
UTE TRIBAL 16-17D-55	17	050S	050W	4301352872		Indian	OW	APD	
UTE TRIBAL 13-27D-55	27	050S	050W	4301352882		Indian	OW	APD	
UTE TRIBAL 4-29D-55	29	050S	050W	4301352883		Indian	OW	APD	
UTE TRIBAL 1-29D-55	29	050S	050W	4301352884		Indian	OW	APD	
Federal 4-2D-65	2	060S	050W	4301352885		Federal	OW	APD	
Federal 5-2D-65	2	060S	050W	4301352886		Federal	OW	APD	
Federal 12-2D-65	2	060S	050W	4301352887		Federal	OW	APD	
LC TRIBAL 12-25D-56	25	050S	060W	4301352888		Indian	OW	APD	
LC TRIBAL 13-25D-56	25	050S	060W	4301352890		Indian	OW	APD	
LC TRIBAL 14-25D-56	25	050S	060W	4301352891		Indian	OW	APD	
Federal 15-3D-65	3	060S	050W	4301352892		Federal	OW	APD	
Federal 9-3D-65	3	060S	050W	4301352893		Federal	OW	APD	
Federal 8-3D-65	3	060S	050W	4301352894		Federal	OW	APD	
Federal 6-3D-65	3	060S	050W	4301352895		Federal	OW	APD	
UTE TRIBAL 6-28D-55	28	050S	050W	4301334056	18593	Indian	OW	DRL	
MOON TRIBAL 9-27D-54	27	050S	040W	4301334108	19095	Indian	OW	DRL	
LC TRIBAL 9-16D-56	16	050S	060W	4301350600	99999	Indian	OW	DRL	

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FEDERAL 15-6D-64	6	060S	040W	4301351219	18793	Federal	OW	DRL
UTE TRIBAL 9-21D-55	21	050S	050W	4301351258	19401	Indian	OW	DRL
STATE TRIBAL 2-12D-55	12	050S	050W	4301351310	19444	Indian	OW	DRL
UTE TRIBAL 7-10D-54	10	050S	040W	4301351365	19391	Indian	OW	DRL
LC TRIBAL 9-26D-56	26	050S	060W	4301351381	19433	Indian	OW	DRL
UTE TRIBAL 8-17D-55	17	050S	050W	4301351413	19388	Indian	OW	DRL
LC TRIBAL 9-24D-45	24	040S	050W	4301351431	18861	Indian	OW	DRL
LC TRIBAL 2-29D-45	29	040S	050W	4301351705	99999	Indian	OW	DRL
LC TAYLOR FEE 14-22D-56	22	050S	060W	4301351744	19508	Fee	OW	DRL
LC FEE 14-6D-56	6	050S	060W	4301351787	18910	Fee	OW	DRL
LC FEE 15-6-56	6	050S	060W	4301351792	19334	Fee	OW	DRL
LC Fee 14-36D-56	36	050S	060W	4301351878	19376	Fee	OW	DRL
LC Fee 12-36-56	36	050S	060W	4301351883	19377	Fee	OW	DRL
LC Tribal 6-29D-45	29	040S	050W	4301351902	19402	Indian	OW	DRL
Federal 4-6D-65	6	060S	050W	4301352005	19173	Federal	OW	DRL
Federal 12-6D-65	6	060S	050W	4301352006	19174	Federal	OW	DRL
UTE Tribal 14-18D-54	18	050S	040W	4301352213	19509	Indian	GW	DRL
UTE Tribal 15-31D-55	31	050S	050W	4301352309	19472	Indian	GW	DRL
UTE Tribal 16-31D-55	31	050S	050W	4301352318	19473	Indian	GW	DRL
State Tribal 1-12D-55	12	050S	050W	4301352390	19445	Indian	OW	DRL
State Tribal 16-6D-54	6	050S	040W	4301352394	19424	Indian	OW	DRL
State Tribal 10-6D-54	6	050S	040W	4301352395	19425	Indian	OW	DRL
State Tribal 9-6D-54	6	050S	040W	4301352396	19426	Indian	OW	DRL
State Tribal 7-7D-54	7	050S	040W	4301352426	19496	Indian	OW	DRL
State Tribal 1-7D-54	7	050S	040W	4301352427	19497	Indian	OW	DRL
State Tribal 2-7D-54	7	050S	040W	4301352428	19498	Indian	OW	DRL
State Tribal 3-7D-54	7	050S	040W	4301352429	19517	Indian	OW	DRL
State Tribal 4-7D-54	7	050S	040W	4301352431	99999	Indian	OW	DRL
State Tribal 5-7D-54	7	050S	040W	4301352432	99999	Indian	OW	DRL
State Tribal 6-7D-54	7	050S	040W	4301352433	19518	Indian	OW	DRL
State Tribal 11-6D-54	6	050S	040W	4301352452	19474	Indian	OW	DRL
State Tribal 12-6D-54	6	050S	040W	4301352453	19475	Indian	OW	DRL
State Tribal 13-6D-54	6	050S	040W	4301352454	19476	Indian	OW	DRL
State Tribal 14-6D-54	6	050S	040W	4301352455	19477	Indian	OW	DRL
Ute Tribal 1-9D-54	9	050S	040W	4301352465	19356	Indian	OW	DRL
Ute Tribal 7-9D-54	9	050S	040W	4301352466	19357	Indian	OW	DRL
UTE TRIBAL 12-5D-54	5	050S	040W	4301352480	19499	Indian	OW	DRL
UTE TRIBAL 13-5D-54	5	050S	040W	4301352484	19500	Indian	OW	DRL
UTE TRIBAL 14-5D-54	5	050S	040W	4301352493	19510	Indian	OW	DRL
State Tribal 13-11D-54	10	050S	040W	4301352561	19519	Indian	OW	DRL
State Tribal 1-18D-54	18	050S	040W	4301352568	19434	Indian	OW	DRL
State Tribal 2-18D-54	18	050S	040W	4301352576	19427	Indian	OW	DRL
State Tribal 8-18D-54	18	050S	040W	4301352577	19428	Indian	OW	DRL
State Tribal 4-18D-54	18	050S	040W	4301352607	19435	Indian	OW	DRL
State Tribal 3-18D-54	18	050S	040W	4301352608	19436	Indian	OW	DRL
State Tribal 6-18D-54	18	050S	040W	4301352609	19437	Indian	OW	DRL
State Tribal 5-12-55	12	050S	050W	4301352643	19446	Indian	OW	DRL
State Tribal 12-12D-55	12	050S	050W	4301352644	19447	Indian	OW	DRL
State Tribal 6-12D-55	12	050S	050W	4301352645	19438	Indian	OW	DRL
State Tribal 16-1D-55	1	050S	050W	4301352646	19483	Indian	OW	DRL
State Tribal 15-1D-55	1	050S	050W	4301352647	19484	Indian	OW	DRL
State Tribal 10-1D-55	1	050S	050W	4301352648	19485	Indian	OW	DRL
State Tribal 9-1D-55	1	050S	050W	4301352649	19486	Indian	OW	DRL
LC FEE 16-15D-56	14	050S	060W	4301352655	19520	Fee	OW	DRL
LC Tribal 2-22D-56	22	050S	060W	4301352663	99999	Indian	OW	DRL
LC Tribal 3-22D-56	22	050S	060W	4301352664	99999	Indian	OW	DRL
Federal 2-13-65	13	060S	050W	4301352801	19501	Federal	OW	DRL
Federal 8-13D-65	13	060S	050W	4301352803	19502	Federal	OW	DRL
Federal 12-8D-64	7	060S	040W	4301352832	99999	Federal	OW	DRL
Federal 5-8D-64	7	060S	040W	4301352833	99999	Federal	OW	DRL
Federal 4-8D-64	7	060S	040W	4301352834	99999	Federal	OW	DRL
Federal 3-8D-64	5	060S	040W	4301352845	19503	Federal	OW	DRL
LC TRIBAL 4H-31-56	31	050S	060W	4301351738		Indian	OW	NEW
Federal 14-7D-65	31	050S	060W	4301351910		Indian	OW	NEW
LC Fee 11-22-57	22	050S	070W	4301352127		Fee	OW	NEW
LC Fee 13-22D-57	22	050S	070W	4301352131		Fee	OW	NEW

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LC Tribal 5-22D-57	22	050S	070W	4301352133		Indian	OW	NEW	
LC Tribal 15-22D-57	22	050S	070W	4301352134		Indian	OW	NEW	
LC Tribal 11-18D-56	18	050S	060W	4301352140		Indian	OW	NEW	
LC Tribal 13-18D-56	18	050S	060W	4301352141		Indian	OW	NEW	
LC Tribal 15-18D-56	18	050S	060W	4301352142		Indian	OW	NEW	
LC Tribal 7-18D-56	18	050S	060W	4301352153		Indian	OW	NEW	
LC Tribal 5-18D-56	18	050S	060W	4301352154		Indian	OW	NEW	
LC Tribal 3-18-56	18	050S	060W	4301352155		Indian	OW	NEW	
LC Tribal 6-19D-56	19	050S	060W	4301352247		Indian	OW	NEW	
LC Tribal 4-19D-56	19	050S	060W	4301352248		Indian	OW	NEW	
Abbott Fee 3-6D-54	6	050S	040W	4301352325		Fee	OW	NEW	
LC Fee 9-11D-56	11	050S	060W	4301352479		Fee	OW	NEW	
Williams Tribal 8-4D-54	4	050S	040W	4301352650		Indian	OW	NEW	
Williams Tribal 7-4D-54	4	050S	040W	4301352651		Indian	OW	NEW	
Williams Tribal 2-4D-54	4	050S	040W	4301352652		Indian	OW	NEW	
Williams Tribal 1-4D-54	4	050S	040W	4301352653		Indian	OW	NEW	
Federal 9-8D-64	9	060S	040W	4301352880		Federal	OW	NEW	
Federal 16-8D-64	9	060S	040W	4301352881		Federal	OW	NEW	
LC Nielsen Tribal 6-33D-56	33	050S	060W	4301352896		Indian	OW	NEW	
LC Nielsen Tribal 2-33D-56	33	050S	060W	4301352897		Indian	OW	NEW	
LC Nielsen Tribal 4-33D-56	33	050S	060W	4301352898		Indian	OW	NEW	
LC Nielsen Tribal 5-33D-56	33	050S	060W	4301352899		Indian	OW	NEW	
UTE FEE 13-9D-54	9	050S	040W	4301352906		Fee	OW	NEW	
UTE FEE 2-34D-55	27	050S	050W	4301352971		Fee	OW	NEW	
Federal 13-7D-65	7	060S	050W	4301352974		Federal	OW	NEW	
Federal 14-7D-65	7	060S	050W	4301352975		Federal	OW	NEW	
UTE TRIBAL 6-27D-55	27	050S	050W	4301352976		Indian	OW	NEW	
LC Nielsen Tribal 12-27D-56	27	050S	060W	4301352977		Indian	OW	NEW	
LC Nielsen Tribal 13-27D-56	27	050S	060W	4301352978		Indian	OW	NEW	
LC Nielsen Tribal 16-28D-56	27	050S	060W	4301352979		Indian	OW	NEW	
LC Nielsen Fee 9-28D-56	27	050S	060W	4301352980		Fee	OW	NEW	
LC FEE 9-36D-56	36	050S	060W	4301352982		Fee	OW	NEW	
LC FEE 15-36D-56	36	050S	060W	4301352983		Fee	OW	NEW	
LC TRIBAL 6-36D-56	36	050S	060W	4301352984		Indian	OW	NEW	
LC TRIBAL 5-36D-56	36	050S	060W	4301352985		Indian	OW	NEW	
LC TRIBAL 4-36D-56	36	050S	060W	4301352986		Indian	OW	NEW	
LC TRIBAL 3-36D-56	36	050S	060W	4301352987		Indian	OW	NEW	
LC TRIBAL 2-35D-56	35	050S	060W	4301352988		Indian	OW	NEW	
LC TRIBAL 1-35D-56	35	050S	060W	4301352989		Indian	OW	NEW	
UTE TRIBAL 13-3R-54	3	050S	040W	4301330924	9488	Indian	OW	OPS	
UTE TRIBAL 3-20D-55	20	050S	050W	4301333280	18424	Indian	OW	OPS	
LC TRIBAL 4H-17-56	17	050S	060W	4301333540	18067	Indian	OW	OPS	
LC TRIBAL 16-21-46	21	040S	060W	4301333575	16156	Indian	OW	OPS	
UTE TRIBAL 8-20D-55	20	050S	050W	4301333676	17308	Indian	OW	OPS	
UTE TRIBAL 14-14D-55	14	050S	050W	4301333699	18409	Indian	OW	OPS	
UTE TRIBAL 5-29D-55	29	050S	050W	4301333740	17306	Indian	OW	OPS	
UTE TRIBAL 7-32D-55	32	050S	050W	4301333794	18359	Indian	OW	OPS	
UTE TRIBAL 12-27D-55	27	050S	050W	4301333798	18360	Indian	OW	OPS	
FOY 9-33D-55	33	050S	050W	4301333802	17125	Fee	OW	OPS	
BERRY TRIBAL 2-23D-54	23	050S	040W	4301333805	18546	Indian	OW	OPS	
UTE TRIBAL 13-29D-55	29	050S	050W	4301333807	18378	Indian	OW	OPS	
UTE TRIBAL 16-28D-55	28	050S	050W	4301333887	18594	Indian	OW	OPS	
LC FEE 8-15D-56	15	050S	060W	4301350597	19347	Fee	OW	OPS	
SFW FEE 13-10D-54	10	050S	040W	4301350892	19186	Fee	OW	OPS	
SFW TRIBAL 11-10D-54	10	050S	040W	4301350893	19215	Indian	OW	OPS	
LC TRIBAL 5HH-5-56	4	050S	060W	4301350927	18463	Indian	OW	OPS	
LC TRIBAL 16-34D-45	34	040S	050W	4301350977	18658	Indian	OW	OPS	
LC TRIBAL 3-4D-56	4	050S	060W	4301351000	18852	Indian	OW	OPS	
FEDERAL 7-12D-65	12	060S	050W	4301351058	18717	Federal	OW	OPS	
LC TRIBAL 2-33D-45	33	040S	050W	4301351402	18854	Indian	OW	OPS	
LC TRIBAL 9-3D-56	3	050S	060W	4301351514	18948	Indian	OW	OPS	
LC Tribal 3-34D-56	34	050S	060W	4301352087	19234	Indian	OW	OPS	
LC Tribal 7-34D-56	34	050S	060W	4301352088	19235	Indian	OW	OPS	
Ute Tribal 5-9D-54	9	050S	040W	4301352463	19354	Indian	OW	OPS	
Ute Tribal 3-9D-54	9	050S	040W	4301352464	19355	Indian	OW	OPS	
BC UTE TRIBAL 4-22	22	050S	040W	4301330755	2620	Indian	OW	P	

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B C UTE TRIBAL 16-16	16	050S	040W	4301330841	9489	Indian	OW	P	
B C UTE TRIBAL 14-15	15	050S	040W	4301330842	9440	Indian	OW	P	
UTE TRIBAL 1-32R	32	050S	040W	4301330872	13020	Indian	OW	P	
UTE TRIBAL 23-3R	23	050S	040W	4301330886	13034	Indian	OW	P	
S COTTONWOOD RIDGE UTE TRIBAL 1-19	19	050S	040W	4301330933	9845	Indian	OW	P	BRUNDAGE CANYON
TABBY CYN UTE TRIBAL 1-25	25	050S	050W	4301330945	9722	Indian	OW	P	
S BRUNDAGE UTE TRIBAL 1-30	30	050S	040W	4301330948	9850	Indian	OW	P	
SOWERS CYN UTE TRIBAL 3-26	26	050S	050W	4301330955	10423	Indian	OW	P	
UTE TRIBAL 3-24R-55 (REENTRY)	24	050S	050W	4301330960	15173	Indian	OW	P	
UTE TRIBAL 1-20	20	050S	040W	4301330966	9925	Indian	OW	P	
T C UTE TRIBAL 9-23X	23	050S	050W	4301330999	9720	Indian	OW	P	
UTE TRIBAL 15-24R	24	050S	050W	4301331129	11985	Indian	OW	P	
S BRUNDAGE CYN UTE TRIBAL 4-27	27	050S	040W	4301331131	9851	Indian	OW	P	
UTE TRIBAL 5-13	13	050S	050W	4301331152	10421	Indian	OW	P	
UTE TRIBAL 7-20R-54	20	050S	040W	4301331281	14088	Indian	OW	P	
Z and T UTE TRIBAL 7-19	19	050S	040W	4301331282	11131	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 13-19	19	050S	040W	4301331284	11134	Indian	OW	P	
Z and T UTE TRIBAL 7-25	25	050S	050W	4301331310	11416	Indian	OW	P	
UTE TRIBAL 13-17	17	050S	040W	4301331546	11921	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 11-19	19	050S	040W	4301331547	11920	Indian	OW	P	
UTE TRIBAL 13-22	22	050S	040W	4301331548	11926	Indian	OW	P	
UTE TRIBAL 1-28	28	050S	040W	4301331549	11925	Indian	OW	P	
UTE TRIBAL 4-30	30	050S	040W	4301331550	11914	Indian	OW	P	
UTE TRIBAL 15-16	16	050S	040W	4301331648	11951	Indian	OW	P	
UTE TRIBAL 16-18	18	050S	040W	4301331650	11946	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 5-20	20	050S	040W	4301331651	11957	Indian	OW	P	
UTE TRIBAL 15-23	23	050S	050W	4301331671	11989	Indian	OW	P	
TABBY CANYON 1-21	21	050S	050W	4301331699	12225	Indian	OW	P	
TABBY CANYON 8-22	22	050S	050W	4301331700	12008	Indian	OW	P	
SOWERS CANYON 9-27	27	050S	050W	4301331701	11997	Indian	OW	P	
UTE TRIBAL 3-19	19	050S	040W	4301331830	12197	Indian	OW	P	
UTE TRIBAL 9-19	19	050S	040W	4301331831	12175	Indian	OW	P	
UTE TRIBAL 15-19	19	050S	040W	4301331832	12180	Indian	OW	P	
UTE TRIBAL 2-25	25	050S	050W	4301331833	12153	Indian	OW	P	
UTE TRIBAL 3-25	25	050S	050W	4301331834	12152	Indian	OW	P	
UTE TRIBAL 11-24	24	050S	050W	4301331909	12190	Indian	OW	P	
UTE TRIBAL 13-24	24	050S	050W	4301331910	12217	Indian	OW	P	
UTE TRIBAL 11-25	25	050S	050W	4301331911	12182	Indian	OW	P	
UTE TRIBAL 1-26	26	050S	050W	4301331912	12235	Indian	OW	P	
UTE TRIBAL 2-19	19	050S	040W	4301332140	12795	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 6-25H	25	050S	050W	4301332143	12750	Indian	OW	P	
UTE TRIBAL 9-18	18	050S	040W	4301332144	12746	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 11-17	17	050S	040W	4301332145	12747	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 12-17	17	050S	040W	4301332146	12745	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 14-17	17	050S	040W	4301332147	12755	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 15-18	18	050S	040W	4301332148	12794	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 6-22	22	050S	040W	4301332163	12974	Indian	OW	P	
UTE TRIBAL 6-21	21	050S	040W	4301332164	12994	Indian	OW	P	
UTE TRIBAL 7-28	28	050S	040W	4301332166	12995	Indian	OW	P	
UTE TRIBAL 11-20	20	050S	040W	4301332168	12946	Indian	OW	P	
UTE TRIBAL 13-25	25	050S	050W	4301332169	12857	Indian	OW	P	
UTE TRIBAL 2-27	27	050S	040W	4301332179	12975	Indian	OW	P	
UTE TRIBAL 1-33	33	050S	040W	4301332185	13024	Indian	OW	P	
UTE TRIBAL 1-34	34	050S	040W	4301332186	13121	Indian	OW	P	
UTE TRIBAL 2-35	35	050S	050W	4301332187	13021	Indian	OW	P	
UTE TRIBAL 4-36	36	050S	050W	4301332188	13063	Indian	OW	P	
UTE TRIBAL 5-28	28	050S	040W	4301332189	13026	Indian	OW	P	
UTE TRIBAL 5-31	31	050S	040W	4301332190	13080	Indian	OW	P	
UTE TRIBAL 9-26	26	050S	040W	4301332191	13101	Indian	OW	P	
UTE TRIBAL 11-28	28	050S	040W	4301332192	13022	Indian	OW	P	
UTE TRIBAL 3-29	29	050S	040W	4301332193	13042	Indian	OW	P	
UTE TRIBAL 5-19	19	050S	040W	4301332204	13090	Indian	OW	P	
UTE TRIBAL 12-15	15	050S	040W	4301332205	13100	Indian	OW	P	
UTE TRIBAL 13-20	20	050S	040W	4301332206	13048	Indian	OW	P	
UTE TRIBAL 1-24-55	24	050S	050W	4301332259	13618	Indian	OW	P	
UTE TRIBAL 3-28-54	28	050S	040W	4301332261	13644	Indian	OW	P	

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UTE TRIBAL 5-24-55	24	050S	050W	4301332263	13621	Indian	OW	P	
UTE TRIBAL 5-26-55	26	050S	050W	4301332264	13642	Indian	OW	P	
UTE TRIBAL 6-36-55	36	050S	050W	4301332265	13600	Indian	OW	P	
UTE TRIBAL 9-24-55	24	050S	050W	4301332268	13620	Indian	OW	P	
UTE TRIBAL 11-23-55	23	050S	050W	4301332269	13572	Indian	OW	P	
UTE TRIBAL 15-25-55	25	050S	050W	4301332271	13566	Indian	OW	P	
UTE TRIBAL 16-14-55	14	050S	050W	4301332272	13567	Indian	OW	P	
UTE TRIBAL 15-27-55	27	050S	050W	4301332339	14020	Indian	OW	P	
UTE TRIBAL 5-15-55	15	050S	050W	4301332344	13606	Indian	OW	P	
UTE TRIBAL 7-20-55	20	050S	050W	4301332346	13607	Indian	OW	P	
MOON TRIBAL 12-23-54	23	050S	040W	4301332347	14008	Indian	OW	P	
UTE TRIBAL 14-28-55	28	050S	050W	4301332348	13580	Indian	OW	P	
UTE TRIBAL 16-29-55	29	050S	050W	4301332349	13581	Indian	OW	P	
UTE TRIBAL 2-32-55	32	050S	050W	4301332350	13695	Indian	OW	P	
UTE TRIBAL 16-35-55	35	050S	050W	4301332352	14267	Indian	OW	P	
UTE TRIBAL 10-35-55	35	050S	050W	4301332353	13645	Indian	OW	P	
UTE TRIBAL 12-36-55	36	050S	050W	4301332354	13643	Indian	OW	P	
UTE TRIBAL 14-36-55	36	050S	050W	4301332355	14262	Indian	OW	P	
UTE TRIBAL 16-36-55	36	050S	050W	4301332356	14122	Indian	OW	P	
UTE TRIBAL 4-33-55	33	050S	050W	4301332357	13685	Indian	OW	P	
UTE TRIBAL 15-17-55	17	050S	050W	4301332358	13698	Indian	OW	P	
UTE TRIBAL 12-14-54	14	050S	040W	4301332369	13647	Indian	OW	P	
UTE TRIBAL 3-20-54	20	050S	040W	4301332377	13955	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 4-21-54	21	050S	040W	4301332378	13907	Indian	OW	P	
UTE TRIBAL 9-20-54	20	050S	040W	4301332379	13906	Indian	OW	P	
UTE TRIBAL 5-30-54	30	050S	040W	4301332380	13905	Indian	OW	P	
UTE TRIBAL 16-21-54	21	050S	040W	4301332381	13912	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 15-30-54	30	050S	040W	4301332382	13944	Indian	OW	P	
UTE TRIBAL 9-30-54	30	050S	040W	4301332383	14050	Indian	OW	P	
UTE TRIBAL 14-21-54	21	050S	040W	4301332384	13946	Indian	OW	P	
UTE TRIBAL 12-21-54	21	050S	040W	4301332385	13928	Indian	OW	P	
UTE TRIBAL 15-20-54	20	050S	040W	4301332386	13911	Indian	OW	P	
UTE TRIBAL 13-28-54	28	050S	040W	4301332387	13908	Indian	OW	P	
UTE TRIBAL 9-28-54	28	050S	040W	4301332388	13910	Indian	OW	P	
UTE TRIBAL 15-28-54	28	050S	040W	4301332389	13909	Indian	OW	P	
UTE TRIBAL 9-25-55	25	050S	050W	4301332390	13715	Indian	OW	P	
MOON TRIBAL 6-27-54	27	050S	040W	4301332407	13969	Indian	OW	P	
MOON TRIBAL 14-27-54	27	050S	040W	4301332408	13998	Indian	OW	P	
UTE TRIBAL 3-32-54	32	050S	040W	4301332410	13949	Indian	OW	P	
UTE TRIBAL 7-32-54	32	050S	040W	4301332411	13936	Indian	OW	P	
UTE TRIBAL 7-33-54	33	050S	040W	4301332413	13945	Indian	OW	P	
UTE TRIBAL 11-20-55	20	050S	050W	4301332415	14269	Indian	OW	P	
UTE TRIBAL 1-27-55	27	050S	050W	4301332416	13947	Indian	OW	P	
UTE TRIBAL 3-27-55	27	050S	050W	4301332417	14022	Indian	OW	P	
UTE TRIBAL 7-27-55	27	050S	050W	4301332418	13948	Indian	OW	P	
UTE TRIBAL 10-28-55	28	050S	050W	4301332419	14580	Indian	OW	P	
UTE TRIBAL 6-32-55	32	050S	050W	4301332420	14895	Indian	OW	P	
UTE TRIBAL 8-32-55	32	050S	050W	4301332421	14896	Indian	OW	P	
UTE TRIBAL 2-36-55	36	050S	050W	4301332422	13937	Indian	OW	P	
UTE TRIBAL 8-36-55	36	050S	050W	4301332423	14021	Indian	OW	P	
UTE TRIBAL 13-16-54	16	050S	040W	4301332511	13981	Indian	OW	P	
UTE TRIBAL 13-23-55	23	050S	050W	4301332513	13975	Indian	OW	P	
UTE TRIBAL 7-23-55	23	050S	050W	4301332514	13976	Indian	OW	P	
UTE TRIBAL 5-33-54	33	050S	040W	4301332521	14060	Indian	OW	P	
UTE TRIBAL 11-33-54	33	050S	040W	4301332522	14061	Indian	OW	P	
UTE TRIBAL 14-32-54	32	050S	040W	4301332523	14062	Indian	OW	P	
UTE TRIBAL 1-23-55	23	050S	050W	4301332524	14044	Indian	OW	P	
UTE TRIBAL 5-29-54	29	050S	040W	4301332525	14045	Indian	OW	P	
UTE TRIBAL 1-31-54	31	050S	040W	4301332526	14116	Indian	OW	P	
UTE TRIBAL 3-31-54	31	050S	040W	4301332527	14109	Indian	OW	P	
UTE TRIBAL 7-31-54	31	050S	040W	4301332528	14160	Indian	OW	P	
UTE TRIBAL 9-31-54	31	050S	040W	4301332529	14177	Indian	OW	P	
UTE TRIBAL 11-31-54	31	050S	040W	4301332530	14163	Indian	OW	P	
UTE TRIBAL 3-23-55	23	050S	050W	4301332536	14077	Indian	OW	P	
UTE TRIBAL 5-23-55	23	050S	050W	4301332537	14108	Indian	OW	P	
UTE TRIBAL 9-32-54	32	050S	040W	4301332538	14199	Indian	OW	P	

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UTE TRIBAL 5-32-54	32	050S	040W	4301332539	14112	Indian	OW	P	
MOON TRIBAL 10-27-54	27	050S	040W	4301332540	14195	Indian	OW	P	
MOON TRIBAL 12-27-54	27	050S	040W	4301332541	14161	Indian	OW	P	
MOON TRIBAL 8-27-54	27	050S	040W	4301332543	14139	Indian	OW	P	
UTE TRIBAL 9-33-54	33	050S	040W	4301332549	14162	Indian	OW	P	
WILLIAMSON TRIBAL 3-34-54	34	050S	040W	4301332550	14222	Indian	OW	P	
WILLIAMSON TRIBAL 5-34-54	34	050S	040W	4301332551	14235	Indian	OW	P	
FEDERAL 6-2-65	2	060S	050W	4301332557	14655	Federal	OW	P	
UTE TRIBAL 15-29-54	29	050S	040W	4301332561	14316	Indian	OW	P	
UTE TRIBAL 7-29-54	29	050S	040W	4301332562	14354	Indian	OW	P	
UTE TRIBAL 11-29-54	29	050S	040W	4301332563	14337	Indian	OW	P	
UTE TRIBAL 13-29-54	29	050S	040W	4301332564	14315	Indian	OW	P	
UTE TRIBAL 4-29-54	29	050S	040W	4301332565	14367	Indian	OW	P	
UTE TRIBAL 9-29-54	29	050S	040W	4301332566	14369	Indian	OW	P	
UTE TRIBAL 1-35-54	35	050S	040W	4301332567	14266	Indian	OW	P	
UTE TRIBAL 11-13-54	13	050S	040W	4301332568	14281	Indian	OW	P	
UTE TRIBAL 6-24-54	24	050S	040W	4301332570	14299	Indian	OW	P	
UTE TRIBAL 13-18-54	18	050S	040W	4301332571	14388	Indian	OW	P	
UTE TRIBAL 12-29-54	29	050S	040W	4301332572	14336	Indian	OW	P	
UTE TRIBAL 4-24-54	24	050S	040W	4301332573	14247	Indian	OW	P	
UTE TRIBAL 6-14-54	14	050S	040W	4301332586	15270	Indian	OW	P	
UTE TRIBAL 10-15-54	15	050S	040W	4301332587	14194	Indian	OW	P	
UTE TRIBAL 16-15-54	15	050S	040W	4301332588	14311	Indian	OW	P	
UTE TRIBAL 11-16-54	16	050S	040W	4301332589	14178	Indian	OW	P	
UTE TRIBAL 8-22-54	22	050S	040W	4301332590	14219	Indian	OW	P	
UTE TRIBAL 2-22-54	22	050S	040W	4301332591	14328	Indian	OW	P	
UTE TRIBAL 10-22-54	22	050S	040W	4301332592	14218	Indian	OW	P	
UTE TRIBAL 14-22-54	22	050S	040W	4301332593	14220	Indian	OW	P	
UTE TRIBAL 13-13-55	13	050S	050W	4301332599	15134	Indian	OW	P	
UTE TRIBAL 13-14-55	14	050S	050W	4301332600	14236	Indian	OW	P	
UTE TRIBAL 13-15-55	15	050S	050W	4301332602	14263	Indian	OW	P	
UTE TRIBAL 10-21-55	21	050S	050W	4301332603	14385	Indian	OW	P	
UTE TRIBAL 2-22-55	22	050S	050W	4301332604	14268	Indian	OW	P	
UTE TRIBAL 3-22-55	22	050S	050W	4301332605	14298	Indian	OW	P	
UTE TRIBAL 9-22-55	22	050S	050W	4301332606	14330	Indian	OW	P	
UTE TRIBAL 11-22-55	22	050S	050W	4301332607	14329	Indian	OW	P	
UTE TRIBAL 5-27-55	27	050S	050W	4301332614	14881	Indian	OW	P	
UTE TRIBAL 11-27-55	27	050S	050W	4301332615	14882	Indian	OW	P	
UTE TRIBAL 12-22-55	22	050S	050W	4301332616	14370	Indian	OW	P	
UTE TRIBAL 15-22-55	22	050S	050W	4301332617	14921	Indian	OW	P	
UTE TRIBAL 8-25-55	25	050S	050W	4301332620	14365	Indian	OW	P	
UTE TRIBAL 4-20-54	20	050S	040W	4301332621	14518	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 6-20-54	20	050S	040W	4301332622	14382	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 5-22-54	22	050S	040W	4301332624	14547	Indian	OW	P	
UTE TRIBAL 3-30-54	30	050S	040W	4301332625	14364	Indian	OW	P	
UTE TRIBAL 3-10-54	10	050S	040W	4301332663	14414	Indian	OW	P	
UTE TRIBAL 11-5-54	5	050S	040W	4301332664	14415	Indian	OW	P	
UTE TRIBAL 15-32-54	32	050S	040W	4301332666	14460	Indian	OW	P	
UTE TRIBAL 8-31-55	31	050S	050W	4301332673	14407	Indian	OW	P	
UTE TRIBAL 3-35-54	35	050S	040W	4301332675	14656	Indian	OW	P	
UTE TRIBAL 2-30-55	30	050S	050W	4301332680	14427	Indian	OW	P	
UTE TRIBAL 9-17-54	17	050S	040W	4301332687	15309	Indian	OW	P	
UTE TRIBAL 13-31-54	31	050S	040W	4301332688	14517	Indian	OW	P	
UTE TRIBAL 14-19-54	19	050S	040W	4301332690	14546	Indian	OW	P	
UTE TRIBAL 16-19-54	19	050S	040W	4301332691	14491	Indian	OW	P	
UTE TRIBAL 13-32-54	32	050S	040W	4301332692	14490	Indian	OW	P	
UTE TRIBAL 11-14-55	14	050S	050W	4301332693	15136	Indian	OW	P	
UTE TRIBAL 8-28-55	28	050S	050W	4301332694	14574	Indian	OW	P	
FEDERAL 6-1-65	1	060S	050W	4301332699	15776	Federal	OW	P	
UTE TRIBAL 9-15-55	15	050S	050W	4301332701	14573	Indian	OW	P	
UTE TRIBAL 14-20-54	20	050S	040W	4301332702	14459	Indian	OW	P	
#1 DLB 12-15-56	15	050S	060W	4301332710	14943	Fee	GW	P	
UTE TRIBAL 12-19-54	19	050S	040W	4301332716	14627	Indian	OW	P	
UTE TRIBAL 10-19-54	19	050S	040W	4301332717	14628	Indian	OW	P	
UTE TRIBAL 16-30-54	30	050S	040W	4301332718	14604	Indian	OW	P	
UTE TRIBAL 11-12-55	12	050S	050W	4301332721	14605	Indian	OW	P	

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NIELSEN MARSING 13-14-56	14	050S	060W	4301332737	15060	Fee	OW	P	
TAYLOR HERRICK 10-22-56	22	050S	060W	4301332738	15058	Fee	OW	P	
UTE TRIBAL 16-20-54	20	050S	040W	4301332739	14671	Indian	OW	P	
UTE TRIBAL 10-20-54	20	050S	040W	4301332740	14691	Indian	OW	P	
UTE TRIBAL 4-28-54	28	050S	040W	4301332741	14672	Indian	OW	P	
UTE TRIBAL 13-33-54	33	050S	040W	4301332742	14736	Indian	OW	P	
UTE TRIBAL 15-31-54	31	050S	040W	4301332743	14690	Indian	OW	P	
UTE TRIBAL 8-30-54	30	050S	040W	4301332746	15583	Indian	OW	P	
UTE TRIBAL 10-25-55	25	050S	050W	4301332749	14758	Indian	OW	P	
UTE TRIBAL 14-25-55	25	050S	050W	4301332750	14798	Indian	OW	P	
UTE TRIBAL 3-36-55	36	050S	050W	4301332751	14842	Indian	OW	P	
UTE TRIBAL 16-16-55	16	050S	050W	4301332757	14865	Indian	OW	P	
UTE TRIBAL 3-21-55	21	050S	050W	4301332758	15112	Indian	OW	P	
UTE TRIBAL 16-25-55	25	050S	050W	4301332759	14821	Indian	OW	P	
UTE TRIBAL 1-36-55	36	050S	050W	4301332760	14822	Indian	OW	P	
UTE TRIBAL 7-22-54	22	050S	040W	4301332761	15661	Indian	OW	P	
UTE TRIBAL 2-31-54	31	050S	040W	4301332762	14845	Indian	OW	P	
UTE TRIBAL 2-28-54	28	050S	040W	4301332763	14723	Indian	OW	P	
UTE TRIBAL 10-28-54	28	050S	040W	4301332764	14722	Indian	OW	P	
UTE TRIBAL 12-28-54	28	050S	040W	4301332765	14701	Indian	OW	P	
UTE TRIBAL 8-28-54	28	050S	040W	4301332766	14777	Indian	OW	P	
UTE TRIBAL 4-31-54	31	050S	040W	4301332767	14494	Indian	OW	P	
UTE TRIBAL 15-33-54	33	050S	040W	4301332768	15210	Indian	OW	P	
UTE TRIBAL 12-25-55	25	050S	050W	4301332769	14799	Indian	OW	P	
UTE TRIBAL 16-24-54	24	050S	040W	4301332775	14762	Indian	OW	P	
UTE TRIBAL 14-25-54	25	050S	040W	4301332776	14753	Indian	OW	P	
UTE TRIBAL 8-25-54	25	050S	040W	4301332780	15280	Indian	OW	P	
UTE TRIBAL 9-35-54	35	050S	040W	4301332781	15535	Indian	OW	P	
MYRIN TRIBAL 14-19-55	19	050S	050W	4301332782	15184	Indian	OW	P	
UTE TRIBAL 6-30-55	30	050S	050W	4301332783	15163	Indian	OW	P	
MOON TRIBAL 4-23-54	23	050S	040W	4301332800	14985	Indian	OW	P	
MOON TRIBAL 5-27-54	27	050S	040W	4301332802	14984	Indian	OW	P	
UTE TRIBAL 2-32-54	32	050S	040W	4301332803	15151	Indian	OW	P	
UTE TRIBAL 15-35-54	35	050S	040W	4301332804	15185	Indian	OW	P	
UTE TRIBAL 5-35-54	35	050S	040W	4301332805	15485	Indian	OW	P	
UTE TRIBAL 13-35-54	35	050S	040W	4301332806	15292	Indian	OW	P	
UTE TRIBAL 11-35-54	35	050S	040W	4301332807	15317	Indian	OW	P	
UTE TRIBAL 8-19-54	19	050S	040W	4301332840	14946	Indian	OW	P	BRUNDAGE CANYON
UTE TRIBAL 13-20-55	20	050S	050W	4301332841	15097	Indian	OW	P	
UTE TRIBAL 16-22-54	22	050S	040W	4301332842	15015	Indian	OW	P	
MOON TRIBAL 6-23-54	23	050S	040W	4301332843	15113	Indian	OW	P	
UTE TRIBAL 11-26-54	26	050S	040W	4301332844	15233	Indian	OW	P	
MOON TRIBAL 11-27-54	27	050S	040W	4301332845	15135	Indian	OW	P	
MOON TRIBAL 15-27-54	27	050S	040W	4301332846	15115	Indian	OW	P	
UTE TRIBAL 10-31-54	31	050S	040W	4301332847	14956	Indian	OW	P	
ST TRIBAL 6-15-54	15	050S	040W	4301332848	16656	Indian	OW	P	
ST TRIBAL 2-15-54	15	050S	040W	4301332849	16959	Indian	OW	P	
ST TRIBAL 4-15-54	15	050S	040W	4301332850	17478	Indian	OW	P	
ST TRIBAL 8-15-54	15	050S	040W	4301332851	16279	Indian	OW	P	
UTE TRIBAL 11-25-54	25	050S	040W	4301332856	15430	Indian	OW	P	
UTE TRIBAL 3-30-55	30	050S	050W	4301332862	15340	Indian	OW	P	
UTE TRIBAL 7-19-55	19	050S	050W	4301332863	15279	Indian	OW	P	
UTE TRIBAL 8-19-55	19	050S	050W	4301332864	15241	Indian	OW	P	
UTE TRIBAL 6-19-54	19	050S	040W	4301332865	14947	Indian	OW	P	
UTE TRIBAL 12-20-54	20	050S	040W	4301332866	14924	Indian	OW	P	
UTE TRIBAL 3-21-54	21	050S	040W	4301332867	15554	Indian	OW	P	
UTE TRIBAL 2-26-54	26	050S	040W	4301332868	15231	Indian	OW	P	
UTE TRIBAL 8-31-54	31	050S	040W	4301332869	14970	Indian	OW	P	
UTE TRIBAL 8-32-54	32	050S	040W	4301332870	15152	Indian	OW	P	
UTE TRIBAL 4-33-54	33	050S	040W	4301332871	15040	Indian	OW	P	
UTE TRIBAL 6-33-54	33	050S	040W	4301332872	15059	Indian	OW	P	
UTE TRIBAL 9-22-54	22	050S	040W	4301332889	15607	Indian	OW	P	
UTE TRIBAL 5-26-54	26	050S	040W	4301332890	15268	Indian	OW	P	
UTE TRIBAL 13-26-54	26	050S	040W	4301332891	15287	Indian	OW	P	
UTE TRIBAL 6-28D-54	28	050S	040W	4301332892	15232	Indian	OW	P	
UTE TRIBAL 2-30D-54	30	050S	040W	4301332894	15298	Indian	OW	P	

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UTE TRIBAL 4-32-54	32	050S	040W	4301332896	15555	Indian	OW	P
UTE TRIBAL 6-32D-54	32	050S	040W	4301332897	15312	Indian	OW	P
UTE TRIBAL 2-33D-54	33	050S	040W	4301332898	15271	Indian	OW	P
UTE TRIBAL 12-32-54	32	050S	040W	4301332925	15503	Indian	OW	P
UTE TRIBAL 16-32D-54	32	050S	040W	4301332926	16971	Indian	OW	P
MOON TRIBAL 16-23-54	23	050S	040W	4301332927	15219	Indian	OW	P
UTE TRIBAL 4-25-55	25	050S	050W	4301332928	15421	Indian	OW	P
UTE TRIBAL 7-36-55	36	050S	050W	4301332929	15341	Indian	OW	P
MOON TRIBAL 10-2-54	2	050S	040W	4301332931	15429	Indian	OW	P
UTE TRIBAL 10-24-54	24	050S	040W	4301332932	15364	Indian	OW	P
MYRIN TRIBAL 16-19-55	19	050S	050W	4301332934	15339	Indian	OW	P
UTE TRIBAL 2-31-55	31	050S	050W	4301332935	15428	Indian	OW	P
UTE TRIBAL 10-31-55	31	050S	050W	4301332936	15354	Indian	OW	P
MOON TRIBAL 1-27-54	27	050S	040W	4301332937	15308	Indian	OW	P
MOON TRIBAL 5-23-54	23	050S	040W	4301332938	15584	Indian	OW	P
ST TRIBAL 7-18-54	18	050S	040W	4301332952	15724	Indian	OW	P
ST TRIBAL 5-18-54	18	050S	040W	4301332953	15781	Indian	OW	P
UTE TRIBAL 15-15-54	15	050S	040W	4301332971	15310	Indian	OW	P
UTE TRIBAL 4-19-54	19	050S	040W	4301332972	15382	Indian	OW	P
UTE TRIBAL 8-20-54	20	050S	040W	4301332973	15245	Indian	OW	P
UTE TRIBAL 2-20-54	20	050S	040W	4301332974	15269	Indian	OW	P
UTE TRIBAL 7-15-55	15	050S	050W	4301332976	15311	Indian	OW	P
UTE TRIBAL 10-15-55	15	050S	050W	4301332977	15380	Indian	OW	P
UTE TRIBAL 1-15-55	15	050S	050W	4301332978	15299	Indian	OW	P
UTE TRIBAL 14-15-55	15	050S	050W	4301332979	15369	Indian	OW	P
UTE TRIBAL 11-15-55	15	050S	050W	4301332980	15342	Indian	OW	P
UTE TRIBAL 14-18-55	18	050S	050W	4301332984	15671	Indian	OW	P
UTE TRIBAL 14-24-56	24	050S	060W	4301332988	15740	Indian	OW	P
UTE TRIBAL 7-24-56	24	050S	060W	4301332989	15782	Indian	OW	P
UTE TRIBAL 11-25-56	25	050S	060W	4301332990	15627	Indian	OW	P
UTE TRIBAL 7-25-56	25	050S	060W	4301332991	15617	Indian	OW	P
UTE TRIBAL 5-25-56	25	050S	060W	4301332992	15648	Indian	OW	P
UTE TRIBAL 3-25-56	25	050S	060W	4301332993	15561	Indian	OW	P
UTE TRIBAL 13-15D-54	15	050S	040W	4301333039	15368	Indian	OW	P
UTE TRIBAL 16-28D-54	28	050S	040W	4301333041	15377	Indian	OW	P
UTE TRIBAL 14-31D-54	31	050S	040W	4301333042	15419	Indian	OW	P
UTE TRIBAL 4-22-55	22	050S	050W	4301333044	15381	Indian	OW	P
UTE TRIBAL 2-23-55	23	050S	050W	4301333045	15416	Indian	OW	P
UTE TRIBAL 16-23-55	23	050S	050W	4301333046	15211	Indian	OW	P
UTE TRIBAL 9-35-55	35	050S	050W	4301333047	15378	Indian	OW	P
UTE TRIBAL 7-35-55	35	050S	050W	4301333048	15367	Indian	OW	P
UTE TRIBAL 15-36-55	36	050S	050W	4301333049	15379	Indian	OW	P
UTE TRIBAL 10-12-55	12	050S	050W	4301333055	15618	Indian	OW	P
UTE TRIBAL 5-13-54	13	050S	040W	4301333075	15873	Indian	OW	P
UTE TRIBAL 16-29-54	29	050S	040W	4301333076	17074	Indian	OW	P
UTE TRIBAL 12-18-54	18	050S	040W	4301333077	15575	Indian	OW	P
UTE TRIBAL 8-33-54	33	050S	040W	4301333089	15398	Indian	OW	P
UTE TRIBAL 12-33-54	33	050S	040W	4301333090	15417	Indian	OW	P
UTE TRIBAL 16-33-54	33	050S	040W	4301333091	15397	Indian	OW	P
UTE TRIBAL 10-33-54	33	050S	040W	4301333092	15418	Indian	OW	P
UTE TRIBAL 14-33-54	33	050S	040W	4301333093	15399	Indian	OW	P
UTE TRIBAL 2-14-54	14	050S	040W	4301333111	16832	Indian	OW	P
UTE TRIBAL 14-14-54	14	050S	040W	4301333112	15440	Indian	OW	P
UTE TRIBAL 13-21-54	21	050S	040W	4301333113	15471	Indian	OW	P
UTE TRIBAL 11-21-54	21	050S	040W	4301333115	15470	Indian	OW	P
UTE TRIBAL 11-22-54	22	050S	040W	4301333116	15662	Indian	OW	P
UTE TRIBAL 2-21-55	21	050S	050W	4301333117	15582	Indian	OW	P
UTE TRIBAL 4-28-55	28	050S	050W	4301333118	15506	Indian	OW	P
UTE TRIBAL 8-29-55	29	050S	050W	4301333119	15507	Indian	OW	P
UTE TRIBAL 6-29-55	29	050S	050W	4301333120	15504	Indian	OW	P
TAYLOR FEE 13-22-56	22	050S	060W	4301333121	15525	Fee	OW	P
WILCOX ELIASON 7-15-56	15	050S	060W	4301333122	15526	Fee	OW	P
UTE TRIBAL 14-16-54	16	050S	040W	4301333123	15639	Indian	OW	P
UTE TRIBAL 1-16-54	16	050S	040W	4301333128	15420	Indian	OW	P
UTE TRIBAL 7-16-54	16	050S	040W	4301333130	15455	Indian	OW	P
UTE TRIBAL 12-16-54	16	050S	040W	4301333131	15456	Indian	OW	P

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UTE TRIBAL 16-17-54	17	050S	040W	4301333132	15524	Indian	OW	P
UTE TRIBAL 10-17-54	17	050S	040W	4301333133	15581	Indian	OW	P
UTE TRIBAL 12-24D-55	24	050S	050W	4301333134	15567	Indian	OW	P
WILCOX FEE 1-20-56	20	050S	060W	4301333150	15745	Fee	OW	P
WILCOX FEE 15-16-56	16	050S	060W	4301333151	15527	Fee	OW	P
NIELSEN FEE 13-11-56	11	050S	060W	4301333152	15600	Fee	OW	P
UTE TRIBAL 2-29-54	29	050S	040W	4301333153	15919	Indian	OW	P
UTE TRIBAL 14-29-54	29	050S	040W	4301333154	15831	Indian	OW	P
UTE TRIBAL 10-29-54	29	050S	040W	4301333155	15847	Indian	OW	P
UTE TRIBAL 10-24D-55	24	050S	050W	4301333156	15556	Indian	OW	P
UTE TRIBAL 10-29D-55	29	050S	050W	4301333157	15505	Indian	OW	P
UTE TRIBAL 6-29-54	29	050S	040W	4301333172	15846	Indian	OW	P
UTE TRIBAL 12Q-25-55	25	050S	050W	4301333184	15744	Indian	OW	P
UTE TRIBAL 3G-31-54	31	050S	040W	4301333185	15746	Indian	OW	P
UTE TRIBAL 11-36-55	36	050S	050W	4301333186	15865	Indian	OW	P
UTE TRIBAL 6-23D-55	23	050S	050W	4301333187	15996	Indian	OW	P
UTE TRIBAL 8-14-54	14	050S	040W	4301333204	15656	Indian	OW	P
UTE TRIBAL 10-14-54	14	050S	040W	4301333205	15680	Indian	OW	P
UTE TRIBAL 11-15-54	15	050S	040W	4301333206	15643	Indian	OW	P
UTE TRIBAL 9-16-54	16	050S	040W	4301333207	15660	Indian	OW	P
UTE TRIBAL 3-22-54	22	050S	040W	4301333208	15640	Indian	OW	P
UTE TRIBAL 15-13D-55	13	050S	050W	4301333212	15642	Indian	OW	P
UTE TRIBAL 6-22D-55	22	050S	050W	4301333213	16831	Indian	OW	P
UTE TRIBAL 11-36D-55	36	050S	050W	4301333214	15702	Indian	OW	P
UTE TRIBAL 1-22D-54	22	050S	040W	4301333215	15641	Indian	OW	P
BERRY TRIBAL 1-23-54	23	050S	040W	4301333216	15931	Indian	OW	P
BERRY TRIBAL 15-23-54	23	050S	040W	4301333217	15932	Indian	OW	P
UTE TRIBAL 9-36D-55	36	050S	050W	4301333239	15933	Indian	OW	P
UTE TRIBAL 12-32-55	32	050S	050W	4301333266	15681	Indian	OW	P
UTE TRIBAL 16-22D-55	22	050S	050W	4301333267	15703	Indian	OW	P
UTE TRIBAL 11-13-55	13	050S	050W	4301333268	15692	Indian	OW	P
UTE TRIBAL 7-14-55	14	050S	050W	4301333269	15693	Indian	OW	P
UTE TRIBAL 4-14D-54	14	050S	040W	4301333270	15679	Indian	OW	P
UTE TRIBAL 9S-19-54	19	050S	040W	4301333276	16153	Indian	OW	P
UTE TRIBAL 14Q-28-54	28	050S	040W	4301333277	15818	Indian	OW	P
UTE TRIBAL 14-28D-54	28	050S	040W	4301333278	15817	Indian	OW	P
UTE TRIBAL 1-14D-55	14	050S	050W	4301333279	18408	Indian	OW	P
UTE TRIBAL 10-18-54	18	050S	040W	4301333300	15747	Indian	OW	P
UTE TRIBAL 5-21-54	21	050S	040W	4301333324	15748	Indian	OW	P
UTE TRIBAL 6-31D-54	31	050S	040W	4301333325	16185	Indian	OW	P
UTE TRIBAL 16-31D-54	31	050S	040W	4301333326	15800	Indian	OW	P
UTE TRIBAL 16-13D-55	13	050S	050W	4301333327	15891	Indian	OW	P
UTE TRIBAL 9-13D-55	13	050S	050W	4301333328	15892	Indian	OW	P
UTE TRIBAL 15-21-55	21	050S	050W	4301333357	15791	Indian	OW	P
UTE TRIBAL 10-23D-55	23	050S	050W	4301333358	15799	Indian	OW	P
UTE TRIBAL 9-26D-55	26	050S	050W	4301333359	15853	Indian	OW	P
UTE TRIBAL 10-26D-55	26	050S	050W	4301333360	15852	Indian	OW	P
UTE TRIBAL 14-26D-55	26	050S	050W	4301333361	15938	Indian	OW	P
UTE TRIBAL 15-26D-55	26	050S	050W	4301333362	15869	Indian	OW	P
UTE TRIBAL 3-32D-55	32	050S	050W	4301333363	15936	Indian	OW	P
UTE TRIBAL 13-14-54	14	050S	040W	4301333364	15790	Indian	OW	P
MOON TRIBAL 7-27D-54	27	050S	040W	4301333365	15935	Indian	OW	P
14-11-56 DLB	11	050S	060W	4301333378	15801	Fee	OW	P
UTE TRIBAL 4-32-55	32	050S	050W	4301333379	15819	Indian	OW	P
UTE TRIBAL 13H-16-55	16	050S	050W	4301333380	18357	Indian	OW	P
BERRY TRIBAL 7-23-54	23	050S	040W	4301333381	15934	Indian	OW	P
BERRY TRIBAL 9-34-54	34	050S	040W	4301333382	16024	Indian	OW	P
BERRY TRIBAL 7-34-54	34	050S	040W	4301333383	16102	Indian	OW	P
BERRY TRIBAL 4-34-54	34	050S	040W	4301333384	16588	Indian	OW	P
FEDERAL 2-2-65	2	060S	050W	4301333385	16150	Federal	OW	P
FEDERAL 10-3-65	3	060S	050W	4301333386	16297	Federal	OW	P
FEDERAL 5-4-65	4	060S	050W	4301333387	17599	Federal	OW	P
UTE TRIBAL 1A-29-54	29	050S	040W	4301333393	17075	Indian	OW	P
BERRY TRIBAL 15-34-54	34	050S	040W	4301333411	16037	Indian	OW	P
BERRY TRIBAL 8-23D-54	23	050S	040W	4301333417	16101	Indian	OW	P
UTE TRIBAL 12-29D-55	29	050S	050W	4301333418	17307	Indian	OW	P

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UTE TRIBAL 8-24-55	24	050S	050W	4301333420	15997	Indian	OW	P
UTE TRIBAL 5-25D-55	25	050S	050W	4301333421	16589	Indian	OW	P
BERRY TRIBAL 10-34D-54	34	050S	040W	4301333422	16038	Indian	OW	P
1-15-56 DLB	15	050S	060W	4301333447	15854	Fee	OW	P
FEDERAL 5-3-64	3	060S	040W	4301333448	16098	Federal	OW	P
FEDERAL 8-1-64	1	060S	040W	4301333449	16152	Federal	OW	P
FEDERAL 5-4-64	4	060S	040W	4301333450	17851	Federal	OW	P
FEDERAL 11-10-65	10	060S	050W	4301333451	16281	Federal	OW	P
BERRY TRIBAL 16-34D-54	34	050S	040W	4301333464	16280	Indian	OW	P
BERRY TRIBAL 9-23-54	23	050S	040W	4301333465	16590	Indian	OW	P
UTE TRIBAL 6-26D-55	26	050S	050W	4301333476	16657	Indian	OW	P
UTE TRIBAL 7-26D-55	26	050S	050W	4301333477	16658	Indian	OW	P
UTE TRIBAL 11-26D-55	26	050S	050W	4301333478	16659	Indian	OW	P
UTE TRIBAL 14Q-30-54	30	050S	040W	4301333479	16151	Indian	OW	P
FEDERAL 5-6-65	6	060S	050W	4301333489	17852	Federal	OW	P
FEDERAL 16-5-65	5	060S	050W	4301333490	16833	Federal	OW	P
FEDERAL 6-11-65	11	060S	050W	4301333491	16335	Federal	OW	P
LC TRIBAL 14-2-56	2	050S	060W	4301333492	18358	Indian	OW	P
UTE TRIBAL 1-31-55	31	050S	050W	4301333501	17104	Indian	OW	P
UTE TRIBAL 9-31-55	31	050S	050W	4301333508	17103	Indian	OW	P
BERRY TRIBAL 11-34D-54	34	050S	040W	4301333529	16099	Indian	OW	P
LC TRIBAL 2-16D-56	16	050S	060W	4301333538	17305	Indian	OW	P
LC TRIBAL 4-16-56	16	050S	060W	4301333539	16272	Indian	OW	P
LC TRIBAL 3-17-56	17	050S	060W	4301333541	16459	Indian	OW	P
FEDERAL 10-2-65	2	060S	050W	4301333542	16181	Federal	OW	P
UTE TRIBAL 4-20D-55	20	050S	050W	4301333549	18075	Indian	OW	P
UTE TRIBAL 8-23D-55	23	050S	050W	4301333552	16662	Indian	OW	P
LC TRIBAL 8-28-46	28	040S	060W	4301333576	16155	Indian	OW	P
LC TRIBAL 7-3-56	3	050S	060W	4301333577	16379	Indian	OW	P
LC TRIBAL 3-5-56	5	050S	060W	4301333580	17082	Indian	OW	P
FEDERAL 8-2D-64	2	060S	040W	4301333581	16100	Federal	OW	P
LC TRIBAL 13H-3-56	3	050S	060W	4301333591	18129	Indian	OW	P
LC FEE 6-12-57	12	050S	070W	4301333593	17083	Fee	OW	P
UTE TRIBAL 4-26D-54	26	050S	040W	4301333595	16591	Indian	OW	P
LC TRIBAL 8-4-56	4	050S	060W	4301333605	17046	Indian	OW	P
LC TRIBAL 12H-6-56	6	050S	060W	4301333606	18037	Indian	OW	P
LC TRIBAL 7-7D-56	7	050S	060W	4301333607	18038	Indian	OW	P
LC TRIBAL 1-9-56	9	050S	060W	4301333608	16380	Indian	OW	P
UTE TRIBAL 5-14-54	14	050S	040W	4301333619	16945	Indian	OW	P
UTE TRIBAL 10-26D-54	26	050S	040W	4301333620	16663	Indian	OW	P
UTE TRIBAL 7-26D-54	26	050S	040W	4301333621	16664	Indian	OW	P
UTE TRIBAL 13-36D-55	36	050S	050W	4301333624	17744	Indian	OW	P
UTE TRIBAL 6-26D-54	26	050S	040W	4301333625	16619	Indian	OW	P
UTE TRIBAL 1-22D-55	22	050S	050W	4301333626	16777	Indian	OW	P
UTE TRIBAL 4-23D-55	23	050S	050W	4301333627	16818	Indian	OW	P
UTE TRIBAL 2-27D-55	27	050S	050W	4301333628	16746	Indian	OW	P
UTE TRIBAL 12-28D-55	28	050S	050W	4301333645	17999	Indian	OW	P
UTE TRIBAL 13-28D-55	28	050S	050W	4301333646	18000	Indian	OW	P
UTE TRIBAL 14-26D-54	26	050S	040W	4301333673	16299	Indian	OW	P
UTE FEE 7-13D-55	13	050S	050W	4301333674	18089	Fee	OW	P
UTE TRIBAL 9-20D-55	20	050S	050W	4301333675	17309	Indian	OW	P
LC TRIBAL 11-17-56	17	050S	060W	4301333677	17600	Indian	OW	P
UTE TRIBAL 1-26D-54	26	050S	040W	4301333680	16638	Indian	OW	P
UTE TRIBAL 3-26D-54	26	050S	040W	4301333681	16665	Indian	OW	P
UTE TRIBAL 8-26D-54	26	050S	040W	4301333682	17031	Indian	OW	P
UTE TRIBAL 10-27D-55	27	050S	050W	4301333683	16666	Indian	OW	P
UTE TRIBAL 14-27D-55	27	050S	050W	4301333684	16667	Indian	OW	P
UTE TRIBAL 12-21D-55	21	050S	050W	4301333694	16296	Indian	OW	P
UTE TRIBAL 5-21D-55	21	050S	050W	4301333706	16298	Indian	OW	P
UTE TRIBAL 2-29D-55	29	050S	050W	4301333714	16854	Indian	OW	P
UTE TRIBAL 7-29D-55	29	050S	050W	4301333715	16853	Indian	OW	P
UTE TRIBAL 13-22D-55	22	050S	050W	4301333716	16668	Indian	OW	P
UTE TRIBAL 14-22D-55	22	050S	050W	4301333717	16669	Indian	OW	P
UTE FEE 2-13-55	13	050S	050W	4301333720	18659	Indian	OW	P
UTE TRIBAL 7-22D-55	22	050S	050W	4301333721	16670	Indian	OW	P
UTE TRIBAL 10-22D-55	22	050S	050W	4301333722	16671	Indian	OW	P

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UTE TRIBAL 3-29-55	29	050S	050W	4301333723	16857	Indian	OW	P
BERRY TRIBAL 10-23D-54	23	050S	040W	4301333724	16592	Indian	OW	P
BERRY TRIBAL 11-23D-54	23	050S	040W	4301333725	16672	Indian	OW	P
UTE TRIBAL 4-24D-55	24	050S	050W	4301333726	16673	Indian	OW	P
FEDERAL 6-6D-64	6	060S	040W	4301333745	17084	Federal	OW	P
UTE TRIBAL 15-26D-54	26	050S	040W	4301333768	17450	Indian	OW	P
UTE TRIBAL 1-14D-54	14	050S	040W	4301333769	17483	Indian	OW	P
UTE TRIBAL 12-35D-55	35	050S	050W	4301333782	16856	Indian	OW	P
UTE TRIBAL 11-35-55	35	050S	050W	4301333783	16855	Indian	OW	P
UTE TRIBAL 1-28D-55	28	050S	050W	4301333784	16852	Indian	OW	P
UTE TRIBAL 16-27D-55	27	050S	050W	4301333786	17800	Indian	OW	P
UTE TRIBAL 9-28D-55	28	050S	050W	4301333787	16887	Indian	OW	P
UTE TRIBAL 7-28D-55	28	050S	050W	4301333788	16886	Indian	OW	P
UTE TRIBAL 11-32D-54	32	050S	040W	4301333793	17003	Indian	OW	P
UTE TRIBAL 9-14D-54	14	050S	040W	4301333796	17482	Indian	OW	P
UTE TRIBAL 4-27D-55	27	050S	050W	4301333797	16700	Indian	OW	P
FOY TRIBAL 12H-33-55	33	050S	050W	4301333799	18232	Indian	OW	P
UTE TRIBAL 9-32D-55	32	050S	050W	4301333800	18361	Indian	OW	P
UTE TRIBAL 12-26D-54	26	050S	040W	4301333801	16639	Indian	OW	P
UTE TRIBAL 8-26D-55	26	050S	050W	4301333859	17859	Indian	OW	P
BERRY TRIBAL 2-34D-54	34	050S	040W	4301333867	17889	Indian	OW	P
UTE TRIBAL 3-35D-55	35	050S	050W	4301333888	17421	Indian	OW	P
UTE TRIBAL 10-32-54	32	050S	040W	4301333902	16819	Indian	OW	P
UTE TRIBAL 12-31D-54	31	050S	040W	4301333907	17480	Indian	OW	P
UTE TRIBAL 12-23D-55	23	050S	050W	4301333908	17814	Indian	OW	P
UTE TRIBAL 14-20D-55	20	050S	050W	4301333909	18559	Indian	OW	P
UTE TRIBAL 6-20D-55	20	050S	050W	4301333910	18481	Indian	OW	P
UTE TRIBAL 12-20-55	20	050S	050W	4301333911	18520	Indian	OW	P
UTE TRIBAL 14-24D-55	24	050S	050W	4301333912	16943	Indian	OW	P
UTE TRIBAL 14-23D-55	23	050S	050W	4301333915	17457	Indian	OW	P
ST TRIBAL 1-15D-54	15	050S	040W	4301333916	16889	Indian	OW	P
ST TRIBAL 7-15D-54	15	050S	040W	4301333950	16972	Indian	OW	P
ST TRIBAL 9-15D-54	15	050S	040W	4301333951	16973	Indian	OW	P
UTE TRIBAL 15-35D-55	35	050S	050W	4301333954	17417	Indian	OW	P
UTE TRIBAL 14-35D-55	35	050S	050W	4301333955	17416	Indian	OW	P
UTE TRIBAL 16-26D-55	26	050S	050W	4301333965	17418	Indian	OW	P
FEDERAL 1-2D-65	2	060S	050W	4301333966	16888	Federal	OW	P
UTE TRIBAL 1-35D-55	35	050S	050W	4301333967	17420	Indian	OW	P
UTE TRIBAL 10-36D-55	36	050S	050W	4301333968	17743	Indian	OW	P
UTE TRIBAL 4-26D-55	26	050S	050W	4301333978	17455	Indian	OW	P
UTE TRIBAL 2-26D-55	26	050S	050W	4301333979	17456	Indian	OW	P
BERRY TRIBAL 14-23D-54	23	050S	040W	4301333989	17903	Indian	OW	P
FEDERAL 3-2D-65	2	060S	050W	4301334001	16944	Federal	OW	P
UTE TRIBAL 13-26D-55	26	050S	050W	4301334002	17481	Indian	OW	P
FEDERAL 7-1D-65	1	060S	050W	4301334015	17775	Federal	OW	P
FEDERAL 2-2D-64	2	060S	040W	4301334018	17086	Federal	OW	P
FEDERAL 7-6D-64	6	060S	040W	4301334020	17085	Federal	OW	P
UTE TRIBAL 6-35D-55	35	050S	050W	4301334028	17785	Indian	OW	P
UTE TRIBAL 16-26-54	26	050S	040W	4301334042	17413	Indian	OW	P
BERRY TRIBAL 13-23-54	23	050S	040W	4301334043	17100	Indian	OW	P
UTE TRIBAL 11-28-55	28	050S	050W	4301334057	18001	Indian	OW	P
UTE TRIBAL 8-27D-55	27	050S	050W	4301334058	17842	Indian	OW	P
ST TRIBAL 3-15D-54	15	050S	040W	4301334059	17477	Indian	OW	P
ST TRIBAL 5-15D-54	15	050S	040W	4301334060	17479	Indian	OW	P
FEDERAL 7-11D-65	11	060S	050W	4301334061	17776	Federal	OW	P
FEDERAL 7-3D-65	3	060S	050W	4301334065	17124	Federal	OW	P
MOON TRIBAL 16-27D-54	27	050S	040W	4301334109	17414	Indian	OW	P
UTE TRIBAL 15-22D-54	22	050S	040W	4301334116	17415	Indian	OW	P
UTE TRIBAL 13-35D-55	35	050S	050W	4301334117	18442	Indian	OW	P
UTE TRIBAL 12-26D-55	26	050S	050W	4301334118	17786	Indian	OW	P
LC TRIBAL 13-16D-56	16	050S	060W	4301334282	17601	Indian	OW	P
FEDERAL 11-6D-64	6	060S	040W	4301334284	17615	Federal	OW	P
FEDERAL 14-6D-64	6	060S	040W	4301334285	17616	Federal	OW	P
FEDERAL 2-6D-64	6	060S	040W	4301334286	17663	Federal	OW	P
FEDERAL 3-5D-64	5	060S	040W	4301334287	17617	Federal	OW	P
FEDERAL 6-5D-64	5	060S	040W	4301334288	17649	Federal	OW	P

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SFW TRIBAL 10-10D-54	10	050S	040W	4301334295	17564	Indian	OW	P
SFW TRIBAL 9-10D-54	10	050S	040W	4301334296	17565	Indian	OW	P
STATE TRIBAL 16-10-54	10	050S	040W	4301350245	17553	Indian	OW	P
UTE TRIBAL 6-14D-55	14	050S	050W	4301350246	17602	Indian	OW	P
SFW FEE 15-10-54	10	050S	040W	4301350247	17566	Fee	OW	P
FEDERAL 5-5D-64	5	060S	040W	4301350259	17648	Federal	OW	P
LC TRIBAL 6-22D-56	22	050S	060W	4301350260	17567	Indian	OW	P
FEDERAL 12-6D-64	6	060S	040W	4301350261	17618	Federal	OW	P
LC TRIBAL 4-27D-56	27	050S	060W	4301350262	17568	Indian	OW	P
FEDERAL 4-5D-64	5	060S	040W	4301350263	17661	Federal	OW	P
FEDERAL 1-6-64	6	060S	040W	4301350266	17662	Federal	OW	P
FEDERAL 4-6D-64	6	060S	040W	4301350267	17651	Federal	OW	P
FEDERAL 3-6D-64	6	060S	040W	4301350268	17650	Federal	OW	P
FEDERAL 5-6D-64	6	060S	040W	4301350269	17652	Federal	OW	P
FEDERAL 8-6D-64	6	060S	040W	4301350325	17664	Federal	OW	P
FEDERAL 10-1D-65	1	060S	050W	4301350326	18027	Federal	OW	P
FEDERAL 11-1D-65	1	060S	050W	4301350327	18039	Federal	OW	P
FEDERAL 12-1D-65	1	060S	050W	4301350328	18040	Federal	OW	P
FEDERAL 13-1D-65	1	060S	050W	4301350329	18042	Federal	OW	P
FEDERAL 14-1D-65	1	060S	050W	4301350330	18041	Federal	OW	P
FEDERAL 13-5D-64	5	060S	040W	4301350337	17714	Federal	OW	P
FEDERAL 14-5D-64	5	060S	040W	4301350338	17715	Federal	OW	P
FEDERAL 9-1D-65	1	060S	050W	4301350342	18026	Federal	OW	P
FEDERAL 13-6D-64	6	060S	040W	4301350347	17619	Federal	OW	P
FEDERAL 11-5D-64	5	060S	040W	4301350348	17690	Federal	OW	P
FEDERAL 12-5D-64	5	060S	040W	4301350349	17713	Federal	OW	P
FEDERAL 8-1D-65	1	060S	050W	4301350350	18025	Federal	OW	P
UTE TRIBAL 3-14D-54	14	050S	040W	4301350389	17904	Indian	OW	P
UTE TRIBAL 1-34D-55	34	050S	050W	4301350408	17931	Indian	OW	P
UTE TRIBAL 7-14-54	14	050S	040W	4301350409	17924	Indian	OW	P
UTE TRIBAL 8-21D-55	21	050S	050W	4301350435	17963	Indian	OW	P
UTE TRIBAL 8-34D-55	34	050S	050W	4301350436	17952	Indian	OW	P
UTE TRIBAL 5-16D-54	16	050S	040W	4301350475	17991	Indian	OW	P
UTE TRIBAL 12-14D-55	14	050S	050W	4301350476	17973	Indian	OW	P
UTE TRIBAL 8-15D-55	15	050S	050W	4301350477	17974	Indian	OW	P
UTE TRIBAL 3-14-55	14	050S	050W	4301350478	18002	Indian	OW	P
UTE TRIBAL 5-14-55	14	050S	050W	4301350479	18021	Indian	OW	P
UTE TRIBAL 8-10D-54	10	050S	040W	4301350488	18099	Indian	OW	P
UTE TRIBAL 7-34-55	34	050S	050W	4301350510	17949	Indian	OW	P
FEDERAL 4-4D-65	4	060S	050W	4301350521	18557	Federal	OW	P
FEDERAL 6-3D-64	3	060S	040W	4301350522	18073	Federal	OW	P
FEDERAL 1-1D-64	1	060S	040W	4301350524	18088	Federal	OW	P
FEDERAL 7-2D-65	2	060S	050W	4301350525	18100	Federal	OW	P
BERRY TRIBAL 12-34D-54	34	050S	040W	4301350527	17998	Indian	OW	P
FEDERAL 15-5D-65	5	060S	050W	4301350553	18537	Federal	OW	P
FEDERAL 11-4D-64	4	060S	040W	4301350565	18043	Federal	OW	P
FEDERAL 6-6D-65	6	060S	050W	4301350566	18521	Federal	OW	P
LC TRIBAL 3-15D-56	15	050S	060W	4301350598	18097	Indian	OW	P
LC TRIBAL 8-16D-56	16	050S	060W	4301350599	18161	Indian	OW	P
LC FEE 16-16D-56	16	050S	060W	4301350601	18165	Fee	OW	P
LC TRIBAL 10-16D-56	16	050S	060W	4301350602	18586	Indian	OW	P
LC TRIBAL 15-22D-56	22	050S	060W	4301350606	18278	Indian	OW	P
LC TRIBAL 5-23D-56	23	050S	060W	4301350625	18285	Indian	OW	P
LC TRIBAL 5-14D-56	14	050S	060W	4301350661	18219	Indian	OW	P
SFW FEE 14-10D-54	10	050S	040W	4301350686	18070	Fee	OW	P
LC FEE 1-22D-56	22	050S	060W	4301350718	18101	Fee	OW	P
FEDERAL 8-2D-65	2	060S	050W	4301350719	18614	Federal	OW	P
FEDERAL 1-2D-64	2	060S	040W	4301350730	18585	Federal	OW	P
FEDERAL 7-2D-64	2	060S	040W	4301350734	18584	Federal	OW	P
FEDERAL 10-6D-64	6	060S	040W	4301350735	18162	Federal	OW	P
FEDERAL 4-3D-64	3	060S	040W	4301350736	18621	Federal	OW	P
FEDERAL 12-3D-64	3	060S	040W	4301350737	18620	Federal	OW	P
LC TRIBAL 3-21D-56	21	050S	060W	4301350751	18462	Indian	OW	P
LC TRIBAL 5-21D-56	21	050S	060W	4301350752	18286	Indian	OW	P
FEDERAL 2-1D-65	1	060S	050W	4301350759	18172	Federal	OW	P
FEDERAL 3-1D-65	1	060S	050W	4301350760	18173	Federal	OW	P

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FEDERAL 5-1D-65	1	060S	050W	4301350761	18174	Federal	OW	P	
FEDERAL 9-2D-65	2	060S	050W	4301350762	18245	Federal	OW	P	
FEDERAL 11-2D-65	2	060S	050W	4301350763	18589	Federal	OW	P	
FEDERAL 15-2D-65	2	060S	050W	4301350764	18590	Federal	OW	P	
LC TRIBAL 14-14D-56	14	050S	060W	4301350776	18287	Indian	OW	P	
LC FEE 2-20D-56	20	050S	060W	4301350777	18622	Fee	OW	P	
LC TRIBAL 12-22D-56	22	050S	060W	4301350780	18341	Indian	OW	P	
FEDERAL 3-4D-65	4	060S	050W	4301350782	18556	Federal	OW	P	
FEDERAL 6-4D-65	4	060S	050W	4301350783	19162	Federal	OW	P	
FEDERAL 12-4D-65	4	060S	050W	4301350784	19171	Federal	OW	P	
LC TRIBAL 14-15D-56	15	050S	060W	4301350834	18362	Indian	OW	P	
UTE TRIBAL 7I-21D-54	21	050S	040W	4301350852	18423	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 8L-21D-54	21	050S	040W	4301350853	18423	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 10S-21D-54	21	050S	040W	4301350854	18423	Indian	OW	P	BERRY PILOT EOR 246-02
UTE TRIBAL 11-11-54	11	050S	040W	4301350861	18775	Indian	OW	P	
LC TRIBAL 2-28D-56	28	050S	060W	4301350866	18592	Indian	OW	P	
LC FEE 8-28D-56	28	050S	060W	4301350867	18342	Fee	OW	P	
LC TRIBAL 6-27D-56	27	050S	060W	4301350868	18480	Indian	OW	P	
LC FEE 15-23D-56	23	050S	060W	4301350870	18410	Fee	OW	P	
LC TRIBAL 15-26-56	26	050S	060W	4301350871	18377	Indian	OW	P	
UTE TRIBAL 16-11-55	11	050S	050W	4301350888	18707	Indian	OW	P	
LC TRIBAL 2-5D-56	5	050S	060W	4301350925	18568	Indian	OW	P	
LC TRIBAL 2-9D-56	9	050S	060W	4301350926	18425	Indian	OW	P	
LC FEE 8-29-45	29	040S	050W	4301350928	18313	Fee	OW	P	
LC FEE 13-29-45	29	040S	050W	4301350929	18426	Fee	OW	P	
LC FEE 9-12D-57	12	050S	070W	4301350963	18541	Fee	OW	P	
LC FEE 1-22-57	22	050S	070W	4301350965	18558	Fee	OW	P	
LC TRIBAL 11-3D-56	3	050S	060W	4301350966	18464	Indian	OW	P	
LC TRIBAL 3-34-45	34	040S	050W	4301350976	18661	Indian	OW	P	
LC TRIBAL 9-10D-56	10	050S	060W	4301350987	18944	Indian	OW	P	
LC TRIBAL 10-9D-56	9	050S	060W	4301350990	18864	Indian	OW	P	
LC FEE 10-31D-45	31	040S	050W	4301350994	18443	Fee	OW	P	
VIEIRA TRIBAL 4-4-54	4	050S	040W	4301350997	18747	Indian	OW	P	
LC TRIBAL 10-21-56	21	050S	060W	4301350999	18439	Indian	OW	P	
FEDERAL 1-5D-64	5	060S	040W	4301351012	18720	Federal	OW	P	
FEDERAL 2-5D-64	5	060S	040W	4301351013	18723	Federal	OW	P	
FEDERAL 7-5D-64	5	060S	040W	4301351014	18722	Federal	OW	P	
FEDERAL 8-5D-64	5	060S	040W	4301351015	18721	Federal	OW	P	
MYRIN TRIBAL 15-10-55	10	050S	050W	4301351024	18771	Indian	OW	P	
LC TRIBAL 15-15D-56	15	050S	060W	4301351030	18440	Indian	OW	P	
LC TRIBAL 9-15D-56	15	050S	060W	4301351031	18441	Indian	OW	P	
LC TRIBAL 6-28-45	28	040S	050W	4301351034	18700	Indian	OW	P	
FEDERAL 1-12D-65	12	060S	050W	4301351055	18739	Federal	OW	P	
FEDERAL 8-12D-65	12	060S	050W	4301351056	18718	Federal	OW	P	
FEDERAL 2-12D-65	12	060S	050W	4301351057	18738	Federal	OW	P	
LC TRIBAL 15-8D-56	8	050S	060W	4301351060	18862	Indian	OW	P	
LC TRIBAL 8-22D-56	22	050S	060W	4301351069	19233	Indian	OW	P	
LC TRIBAL 9-17D-56	17	050S	060W	4301351070	18945	Indian	OW	P	
LC TRIBAL 7-27-45	27	040S	050W	4301351073	18685	Indian	OW	P	
LC TRIBAL 11-24-45	24	040S	050W	4301351076	18745	Indian	OW	P	
FEDERAL 3-12D-65	12	060S	050W	4301351093	18705	Federal	OW	P	
FEDERAL 4-12D-65	12	060S	050W	4301351094	18704	Federal	OW	P	
FEDERAL 5-12D-65	12	060S	050W	4301351095	18702	Federal	OW	P	
FEDERAL 6-12D-65	12	060S	050W	4301351096	18703	Federal	OW	P	
LC TRIBAL 9-8D-56	8	050S	060W	4301351112	18522	Indian	OW	P	
UTE TRIBAL 4-9-54	9	050S	040W	4301351126	19059	Indian	OW	P	
UTE TRIBAL 6-9-54	9	050S	040W	4301351127	19017	Indian	OW	P	
UTE TRIBAL 2-9-54	9	050S	040W	4301351128	18946	Indian	OW	P	
UTE TRIBAL 1-10-54	10	050S	040W	4301351129	18879	Indian	OW	P	
LC TRIBAL 8-30D-56	30	050S	060W	4301351131	18539	Indian	OW	P	
LC TRIBAL 16-30D-56	30	050S	060W	4301351132	18540	Indian	OW	P	
FEDERAL 1-1D-65	1	060S	050W	4301351142	18623	Federal	OW	P	
UTE TRIBAL 8-9-54	9	050S	040W	4301351143	18947	Indian	OW	P	
FEDERAL 15-1D-65	1	060S	050W	4301351175	18654	Federal	OW	P	
FEDERAL 16-1D-65	1	060S	050W	4301351176	18655	Federal	OW	P	
LC TRIBAL 11-29D-56	29	050S	060W	4301351183	18873	Indian	OW	P	

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STATE TRIBAL 8-12-55	12	050S	050W	4301351188	18986	Indian	OW	P
LC TRIBAL 11-20D-56	20	050S	060W	4301351189	18819	Indian	OW	P
LC FEE 5-20D-56	20	050S	060W	4301351190	18818	Fee	OW	P
LC FEE 9-19-56	19	050S	060W	4301351192	18596	Fee	OW	P
LC TRIBAL 9-9D-56	9	050S	060W	4301351198	18595	Indian	OW	P
FEDERAL 16-6-64	6	060S	040W	4301351217	18792	Federal	OW	P
FEDERAL 9-6D-64	6	060S	040W	4301351218	18791	Federal	OW	P
UTE TRIBAL 5-17-55	17	050S	050W	4301351220	18841	Indian	OW	P
UTE TRIBAL 16-3-54	3	050S	040W	4301351226	18664	Indian	OW	P
STATE TRIBAL 15-6-54	6	050S	040W	4301351227	18746	Indian	OW	P
STATE TRIBAL 8-7-54	7	050S	040W	4301351228	18743	Indian	OW	P
STATE TRIBAL 12-1-55	1	050S	050W	4301351229	18741	Indian	OW	P
STATE TRIBAL 11-2-55	2	050S	050W	4301351230	18742	Indian	OW	P
FEDERAL 1-11-65	11	060S	050W	4301351231	18689	Federal	OW	P
FEDERAL 8-11D-65	11	060S	050W	4301351232	18688	Federal	OW	P
FEDERAL 2-11D-65	11	060S	050W	4301351233	18690	Federal	OW	P
STATE TRIBAL 12-3-55	3	050S	050W	4301351236	18744	Indian	OW	P
UTE TRIBAL 11-4-55	4	050S	050W	4301351237	18663	Indian	OW	P
UTE TRIBAL 4-9-55	9	050S	050W	4301351238	18796	Indian	OW	P
UTE TRIBAL 15-5-55	5	050S	050W	4301351239	18740	Indian	OW	P
UTE FEE 9-9-54	9	050S	040W	4301351259	18642	Fee	OW	P
LC TRIBAL 4-29-45	29	040S	050W	4301351260	18719	Indian	OW	P
UTE FEE 14-9D-54	9	050S	040W	4301351271	18684	Fee	OW	P
UTE FEE 15-9D-54	9	050S	040W	4301351272	18687	Fee	OW	P
LC FEE 10-28D-56	28	050S	060W	4301351288	18591	Fee	OW	P
UTE TRIBAL 8-16D-54	16	050S	040W	4301351295	19003	Indian	OW	P
FEE TRIBAL 4-5-54	5	050S	040W	4301351303	19187	Indian	OW	P
LC TRIBAL 1-26-56	26	050S	060W	4301351306	18816	Indian	OW	P
UTE TRIBAL 6-16D-54	16	050S	040W	4301351307	19060	Indian	OW	P
LC TRIBAL 7-22D-56	22	050S	060W	4301351308	18795	Indian	OW	P
LC TRIBAL 9-22D-56	22	050S	060W	4301351309	18794	Indian	OW	P
LC TRIBAL 9-32D-56	32	050S	060W	4301351316	19228	Indian	OW	P
LC TRIBAL 7-26D-56	26	050S	060W	4301351319	18817	Indian	OW	P
LC FEE 8-6D-56	6	050S	060W	4301351342	18657	Fee	OW	P
LC FEE 10-29D-45	29	040S	050W	4301351343	18850	Fee	OW	P
LC TRIBAL 1-7D-56	7	050S	060W	4301351344	18774	Indian	OW	P
LC TRIBAL 9-7D-56	7	050S	060W	4301351346	18773	Indian	OW	P
LC TRIBAL 11-10D-56	10	050S	060W	4301351369	18840	Indian	OW	P
LC FEE 1-31D-45	31	040S	050W	4301351371	18686	Fee	OW	P
LC TRIBAL 14-21D-56	21	050S	060W	4301351384	18877	Indian	OW	P
LC TRIBAL 4-22D-56	22	050S	060W	4301351385	18878	Indian	OW	P
LC TRIBAL 8-21D-56	21	050S	060W	4301351392	18874	Indian	OW	P
UTE TRIBAL 1-17-55	17	050S	050W	4301351393	18848	Indian	OW	P
LC TRIBAL 4-33D-45	33	040S	050W	4301351401	18853	Indian	OW	P
LC TRIBAL 16-21D-56	21	050S	060W	4301351407	18875	Indian	OW	P
UTE TRIBAL 2-10D-54	10	050S	040W	4301351411	19172	Indian	OW	P
UTE TRIBAL 4-10D-54	10	050S	040W	4301351414	19069	Indian	OW	P
LC TRIBAL 2-21D-56	16	050S	060W	4301351418	19252	Indian	OW	P
LC TRIBAL 1-23D-45	23	040S	050W	4301351425	18855	Indian	OW	P
LC TRIBAL 2-28D-45	28	040S	050W	4301351429	18701	Indian	OW	P
LC TRIBAL 9-28D-45	28	040S	050W	4301351430	18656	Indian	OW	P
LC TRIBAL 1-29-56	29	050S	060W	4301351442	18876	Indian	OW	P
LC FEE 1-1-56	1	050S	060W	4301351458	18829	Fee	OW	P
LC Tribal 12-32-45	32	040S	050W	4301351465	18772	Indian	OW	P
UTE TRIBAL 2-5-54	5	050S	040W	4301351520	18880	Indian	OW	P
LC Tribal 3-32D-45	32	040S	050W	4301351561	18842	Indian	OW	P
LC TRIBAL 5-15D-56	15	050S	060W	4301351562	19253	Indian	OW	P
LC FEE 16-36-56	36	050S	060W	4301351611	19096	Fee	OW	P
LC TRIBAL 15-34-56	34	050S	060W	4301351647	18962	Indian	OW	P
LC TRIBAL 1-34D-56	34	050S	060W	4301351660	18988	Indian	OW	P
LC FEE 13-23-56	23	050S	060W	4301351706	18994	Fee	OW	P
LC FEE 11-23D-56	23	050S	060W	4301351707	18995	Fee	OW	P
LC TRIBAL 3-33-56	33	050S	060W	4301351711	19242	Indian	OW	P
LC FEE 11-29D-45	29	040S	050W	4301351743	19188	Fee	OW	P
LC FEE 4-28D-45	29	040S	050W	4301351745	18849	Fee	OW	P
CC Fee 7R-28-38	28	030S	080W	4301351852	18863	Fee	OW	P

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FEDERAL 6-7-64	7	060S	040W	4301351915	19117	Federal	OW	P
FEDERAL 3-7D-64	7	060S	040W	4301351916	19115	Federal	OW	P
FEDERAL 4-7D-64	7	060S	040W	4301351917	19110	Federal	OW	P
FEDERAL 5-7D-64	7	060S	040W	4301351918	19111	Federal	OW	P
FEDERAL 2-7-64	7	060S	040W	4301351919	19139	Federal	OW	P
FEDERAL 1-7D-64	7	060S	040W	4301351920	19140	Federal	OW	P
FEDERAL 12-7D-64	7	060S	040W	4301351924	19025	Federal	OW	P
FEDERAL 11-7D-64	7	060S	040W	4301351925	19039	Federal	OW	P
FEDERAL 13-7D-64	7	060S	040W	4301351926	19026	Federal	OW	P
FEDERAL 14-7D-64	7	060S	040W	4301351927	19040	Federal	OW	P
FEDERAL 7-7D-64	7	060S	040W	4301351933	19141	Federal	OW	P
FEDERAL 8-7D-64	7	060S	040W	4301351934	19142	Federal	OW	P
FEDERAL 9-7D-64	7	060S	040W	4301351935	19143	Federal	OW	P
FEDERAL 10-7D-64	7	060S	040W	4301351936	19144	Federal	OW	P
ABBOTT FEE 2-6D-54	6	050S	040W	4301351949	18974	Fee	OW	P
ABBOTT FEE 8-6D-54	6	050S	040W	4301351950	18964	Fee	OW	P
ABBOTT FEE 4-6-54	6	050S	040W	4301351952	18965	Fee	OW	P
Federal 15-12D-65	12	060S	050W	4301351992	19051	Federal	OW	P
Federal 10-12D-65	12	060S	050W	4301351999	19052	Federal	OW	P
Federal 9-12D-65	12	060S	050W	4301352000	19053	Federal	OW	P
Federal 16-12D-65	12	060S	050W	4301352003	19054	Federal	OW	P
Federal 1-6D-65	6	060S	050W	4301352012	19189	Federal	OW	P
Federal 3-6D-65	6	060S	050W	4301352014	19190	Federal	OW	P
Federal 2-6-65	6	060S	050W	4301352017	19191	Federal	OW	P
Federal 7-6D-65	6	060S	050W	4301352018	19192	Federal	OW	P
Federal 16-11D-65	11	060S	050W	4301352045	19070	Federal	OW	P
Federal 15-11D-65	11	060S	050W	4301352046	19076	Federal	OW	P
Federal 10-11D-65	11	060S	050W	4301352047	19077	Federal	OW	P
Federal 9-11D-65	11	060S	050W	4301352048	19071	Federal	OW	P
Federal 11-12D-65	12	060S	050W	4301352049	19121	Federal	OW	P
Federal 12-12D-65	12	060S	050W	4301352050	19122	Federal	OW	P
Federal 13-12D-65	12	060S	050W	4301352052	19123	Federal	OW	P
Federal 14-12D-65	12	060S	050W	4301352053	19124	Federal	OW	P
LC Tribal 12-28D-45	28	040S	050W	4301352089	19378	Indian	OW	P
LC Tribal 2-32D-45	32	040S	050W	4301352113	19348	Indian	OW	P
LC Tribal 16-29D-45	32	040S	050W	4301352114	19349	Indian	OW	P
Vieira Tribal 3-4D-54	4	050S	040W	4301352145	19210	Indian	OW	P
Vieira Tribal 5-4D-54	4	050S	040W	4301352146	19193	Indian	OW	P
Vieira Tribal 6-4D-54	4	050S	040W	4301352147	19216	Indian	OW	P
Lamplugh Tribal 6-3D-54	3	050S	040W	4301352148	19289	Indian	OW	P
Lamplugh Tribal 5-3D-54	3	050S	040W	4301352149	19290	Indian	GW	P
Lamplugh Tribal 4-3D-54	3	050S	040W	4301352150	19291	Indian	OW	P
Lamplugh Tribal 3-3D-54	3	050S	040W	4301352151	19292	Indian	OW	P
UTE Tribal 6-35D-54	35	050S	040W	4301352158	19254	Indian	GW	P
UTE Tribal 4-35D-54	35	050S	040W	4301352159	19255	Indian	GW	P
Heiner Tribal 3-11D-54	11	050S	040W	4301352165	19194	Indian	OW	P
Heiner Tribal 4-11-54	11	050S	040W	4301352166	19195	Indian	OW	P
Heiner Tribal 5-11D-54	11	050S	040W	4301352167	19196	Indian	OW	P
Conolly Tribal 1-11D-54	11	050S	040W	4301352168	19270	Indian	OW	P
Conolly Tribal 2-11D-54	11	050S	040W	4301352169	19197	Indian	OW	P
Conolly Tribal 7-11D-54	11	050S	040W	4301352170	19280	Indian	OW	P
Conolly Tribal 8-11D-54	11	050S	040W	4301352171	19281	Indian	OW	P
Casper Tribal 1-5D-54	5	050S	040W	4301352180	19198	Indian	OW	P
Fee Tribal 6-5D-54	5	050S	040W	4301352181	19199	Indian	OW	P
Fee Tribal 5-5D-54	5	050S	040W	4301352182	19200	Indian	OW	P
Fee Tribal 3-5D-54	5	050S	040W	4301352184	19201	Indian	OW	P
Casper Tribal 7-5D-54	5	050S	040W	4301352185	19202	Indian	OW	P
UTE Tribal 10-35D-54	35	050S	040W	4301352198	19320	Indian	OW	P
UTE Tribal 14-35D-54	35	050S	040W	4301352199	19311	Indian	GW	P
UTE Tribal 12-35D-54	35	050S	040W	4301352200	19312	Indian	OW	P
UTE Tribal 16-35D-54	35	050S	040W	4301352230	19321	Indian	OW	P
Evans Tribal 1-3-54	3	050S	040W	4301352234	19264	Indian	OW	P
Evans Tribal 2-3D-54	3	050S	040W	4301352235	19265	Indian	OW	P
Evans Tribal 7-3D-54	3	050S	040W	4301352236	19256	Indian	OW	P
Evans Tribal 8-3D-54	3	050S	040W	4301352237	19257	Indian	OW	P
Ute Tribal 9-3D-54	3	050S	040W	4301352249	19236	Indian	OW	P

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Ute Tribal 15-3D-54	3	050S	040W	4301352250	19237	Indian	OW	P	
Ute Tribal 10-3-54	3	050S	040W	4301352251	19238	Indian	OW	P	
Ute Tribal 14-3D-54	3	050S	040W	4301352298	19258	Indian	OW	P	
Ute Tribal 12-3D-54	3	050S	040W	4301352299	19259	Indian	OW	P	
Ute Tribal 11-3D-54	3	050S	040W	4301352300	19260	Indian	OW	P	
Ute Tribal 16-4D-54	4	050S	040W	4301352302	19350	Indian	OW	P	
Ute Tribal 15-4D-54	4	050S	040W	4301352303	19293	Indian	OW	P	
Ute Tribal 9-4D-54	4	050S	040W	4301352305	19304	Indian	OW	P	
Ute Tribal 10-4D-54	4	050S	040W	4301352307	19294	Indian	OW	P	
UTE Tribal 2-35D-54	35	050S	040W	4301352319	19322	Indian	OW	P	
UTE Tribal 8-35D-54	35	050S	040W	4301352320	19323	Indian	OW	P	
Abbott Fee 5-6D-54	6	050S	040W	4301352326	19351	Fee	OW	P	
Ute Tribal 6-11D-54	11	050S	040W	4301352330	19243	Indian	OW	P	
Ute Tribal 12-11D-54	11	050S	040W	4301352331	19244	Indian	OW	P	
Ute Tribal 14-11D-54	11	050S	040W	4301352332	19245	Indian	OW	P	
Ute Tribal 11-4D-54	4	050S	040W	4301352343	19305	Indian	OW	P	
Ute Tribal 12-4D-54	4	050S	040W	4301352344	19352	Indian	OW	P	
Ute Tribal 13-4D-54	4	050S	040W	4301352345	19353	Indian	OW	P	
Ute Tribal 14-4D-54	4	050S	040W	4301352346	19306	Indian	OW	P	
Ute Tribal 16-5D-54	5	050S	040W	4301352545	99999	Indian	OW	P	
Ute Tribal 15-5D-54	5	050S	040W	4301352546	99999	Indian	OW	P	
Ute Tribal 10-5D-54	5	050S	040W	4301352547	99999	Indian	OW	P	
Ute Tribal 8-5D-54	5	050S	040W	4301352548	99999	Indian	OW	P	
SCOFIELD-THORPE 26-31	26	120S	070E	4300730987	15218	Fee	D	PA	
SCOFIELD-THORPE 26-43	26	120S	070E	4300730990	14922	Fee	D	PA	
SCOFIELD CHRISTIANSEN 8-23	8	120S	070E	4300730999	15172	Fee	D	PA	
CC FEE 7-28-38	28	030S	080W	4301350887	18288	Fee	D	PA	
CC FEE 8-9-37	9	030S	070W	4301350896	18660	Fee	D	PA	
ST LOST CREEK 32-44	32	110S	070E	4304930023	14450	State	D	PA	
SCOFIELD THORPE 22-41X RIG SKID	22	120S	070E	4300730890	13719	Fee	GW	S	
SCOFIELD-THORPE 35-13	35	120S	070E	4300730991	14846	Fee	GW	S	
SCOFIELD-THORPE 23-31	23	120S	070E	4300731001	14923	Fee	GW	S	
NUTTERS RIDGE FED 5-1	5	060S	040W	4301330403	8231	Federal	OW	S	
WIRE FENCE CYN FED 15-1	15	060S	050W	4301330404	8233	Federal	GW	S	
R FORK ANTELOPE CYN FED 25-1	25	060S	050W	4301330406	8234	Federal	OW	S	
WOLF HOLLOW 22-1	22	060S	050W	4301330425	10370	Federal	GW	S	
ANTELOPE RIDGE 24-1	24	060S	050W	4301330426	10371	Federal	OW	S	
B C UTE TRIBAL 8-21	21	050S	040W	4301330829	8414	Indian	OW	S	BERRY PILOT EOR 246-02
Z and T UTE TRIBAL 10-21	21	050S	040W	4301331283	11133	Indian	GW	S	BERRY PILOT EOR 246-02
Z and T UTE TRIBAL 12-22	22	050S	040W	4301331311	11421	Indian	OW	S	
UTE TRIBAL 15-17	17	050S	040W	4301331649	11956	Indian	OW	S	
UTE TRIBAL 7-30	30	050S	040W	4301332167	12945	Indian	OW	S	
UTE TRIBAL 8-35-55	35	050S	050W	4301332267	13571	Indian	OW	S	
UTE TRIBAL 10-16-55	16	050S	050W	4301332345	13693	Indian	OW	S	
FOY TRIBAL 11-34-55	34	050S	050W	4301332351	13648	Indian	OW	S	
UTE TRIBAL 13-30-54	30	050S	040W	4301332409	13968	Indian	OW	S	
UTE TRIBAL 3-33-54	33	050S	040W	4301332412	13938	Indian	OW	S	
UTE TRIBAL 1-20-55	20	050S	050W	4301332414	14548	Indian	OW	S	
UTE TRIBAL 11-30-54	30	050S	040W	4301332512	13982	Indian	OW	S	
UTE TRIBAL 2-24-54	24	050S	040W	4301332569	14314	Indian	OW	S	
UTE TRIBAL 10-14-55	14	050S	050W	4301332601	14331	Indian	OW	S	
MOON TRIBAL 3-27-54	27	050S	040W	4301332613	14416	Indian	OW	S	
UTE TRIBAL 7-21-54	21	050S	040W	4301332623	14383	Indian	OW	S	BERRY PILOT EOR 246-02
UTE TRIBAL 16-24-55	24	050S	050W	4301332672	14384	Indian	GW	S	
UTE TRIBAL 7-35-54	35	050S	040W	4301332774	15019	Indian	OW	S	
UTE TRIBAL 16-25-54	25	050S	040W	4301332779	15078	Indian	OW	S	
MOON TRIBAL 13-27-54	27	050S	040W	4301332801	15057	Indian	OW	S	
UTE TRIBAL 15-15-55	15	050S	050W	4301332855	15114	Indian	OW	S	
UTE TRIBAL 5-36-55	36	050S	050W	4301332930	15301	Indian	OW	S	
UTE TRIBAL 8-24-54	24	050S	040W	4301332933	15402	Indian	OW	S	
UTE TRIBAL 12-15-55	15	050S	050W	4301332981	15348	Indian	OW	S	
UTE TRIBAL 9-21-54	21	050S	040W	4301333040	15360	Indian	OW	S	BERRY PILOT EOR 246-02
UTE TRIBAL 15-21-54	21	050S	040W	4301333114	15441	Indian	OW	S	BERRY PILOT EOR 246-02
UTE TRIBAL 10-16-54	16	050S	040W	4301333129	15454	Indian	OW	S	
TAYLOR FEE 7-14-56	14	050S	060W	4301333140	15601	Fee	OW	S	
UTE TRIBAL 9S-25-55	25	050S	050W	4301333245	15962	Indian	OW	S	

Berry Petroleum Company, LLC N4075) to Linn Operating, Inc. (N4115)  
Effective June 1, 2014

UTE TRIBAL 9-5-54	5	050S	040W	4301351111	18909	Indian	OW	S	
ABBOTT FEE 6-6-54	6	050S	040W	4301351948	18963	Fee	OW	S	