

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: <b>14-20-H62-8500 (EDA)</b>	6. SURFACE: <b>FEE</b>
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN ALLOTTEE OR TRIBE NAME: <i>Ute</i>	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: <b>N/A</b>	
2. NAME OF OPERATOR: <b>BERRY PETROLEUM COMPANY</b>		9. WELL NAME and NUMBER: <b>LC TRIBAL 10-9-56</b>	
3. ADDRESS OF OPERATOR: <b>RT. 2 BOX 7735</b> CITY <b>ROOSEVELT</b> STATE <b>UTAH</b> ZIP <b>84066</b>		PHONE NUMBER: <b>(435)722-1325</b>	10. FIELD AND POOL, OR WILDCAT: <b>LAKE CANYON Wildcat</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>1622' FSL, 1600' FEL</b> AT PROPOSED PRODUCING ZONE: <b>SAME AS ABOVE</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>(NW/SE) SEC. 9, T.5S., R.6W. U.S.B.&amp;M.</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>16.1 MILES FROM DUCHESNE, UTAH</b>		12. COUNTY: <b>DUCHESNE</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>1600'</b>	16. NUMBER OF ACRES IN LEASE <b>86-00</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>N/A</b>	19. PROPOSED DEPTH: <b>6146'</b>	20. BOND DESCRIPTION: <b>RLB0005651</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>7633' GR</b>	22. APPROXIMATE DATE WORK WILL START: <b>REFER TO BPC SOP PLAN</b>	23. ESTIMATED DURATION: <b>REFER TO BPC SOP PLAN</b>	

24. **PROPOSED CASING AND CEMENTING PROGRAM: SEE ATTACHMENT**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
<b>12 1/4</b>	<b>8 5/8</b>	<b>J-55 STC</b>	<b>24#</b>	<b>300'</b>	<b>TYPE III + ADDITIVES</b>	<b>130 SX</b>	<b>1.43 CF/SK</b>	<b>14.3 PPG</b>
<b>7 7/8</b>	<b>5 1/2</b>	<b>J-55 LTC</b>	<b>15.5#</b>	<b>6146'</b>	<b>PI-FILL MODIFIED+ADDITIVES</b>	<b>270 SX</b>	<b>3.43 CF/SK</b>	<b>11.0 PPG</b>
					<b>65/35 POZ+6% GEL+3% KCL+ADDITIVES</b>	<b>214 SX</b>	<b>1.91 CF/SK</b>	<b>13.0 PPG</b>

NOTE: ACTUAL VOLUMES PUMPED WILL BE CALIPER HOLE VOLUME+25% EXCESS

25. **ATTACHMENTS: SEE CEMENT RECOMMENDATION ATTACHMENT**

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 (BPC SOP ON FILE WITH STATE)
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) **SHELLEY E. CROZIER** TITLE **REGULATORY & PERMITTING SPECIALIST**

SIGNATURE *Shelley E. Crozier* DATE **03/16/07**

(This space for State use only)

API NUMBER ASSIGNED: **43-013-33592**

APPROVAL:

**RECEIVED**  
**MAR 20 2007**

T5S, R6W, U.S.B.&M.

**BERRY PETROLEUM COMPANY**

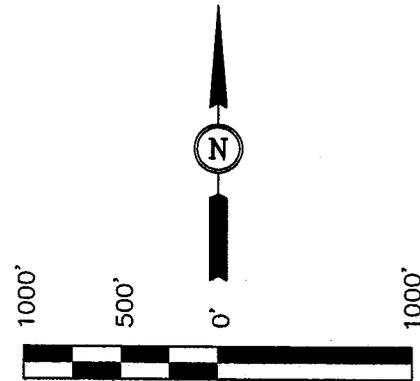
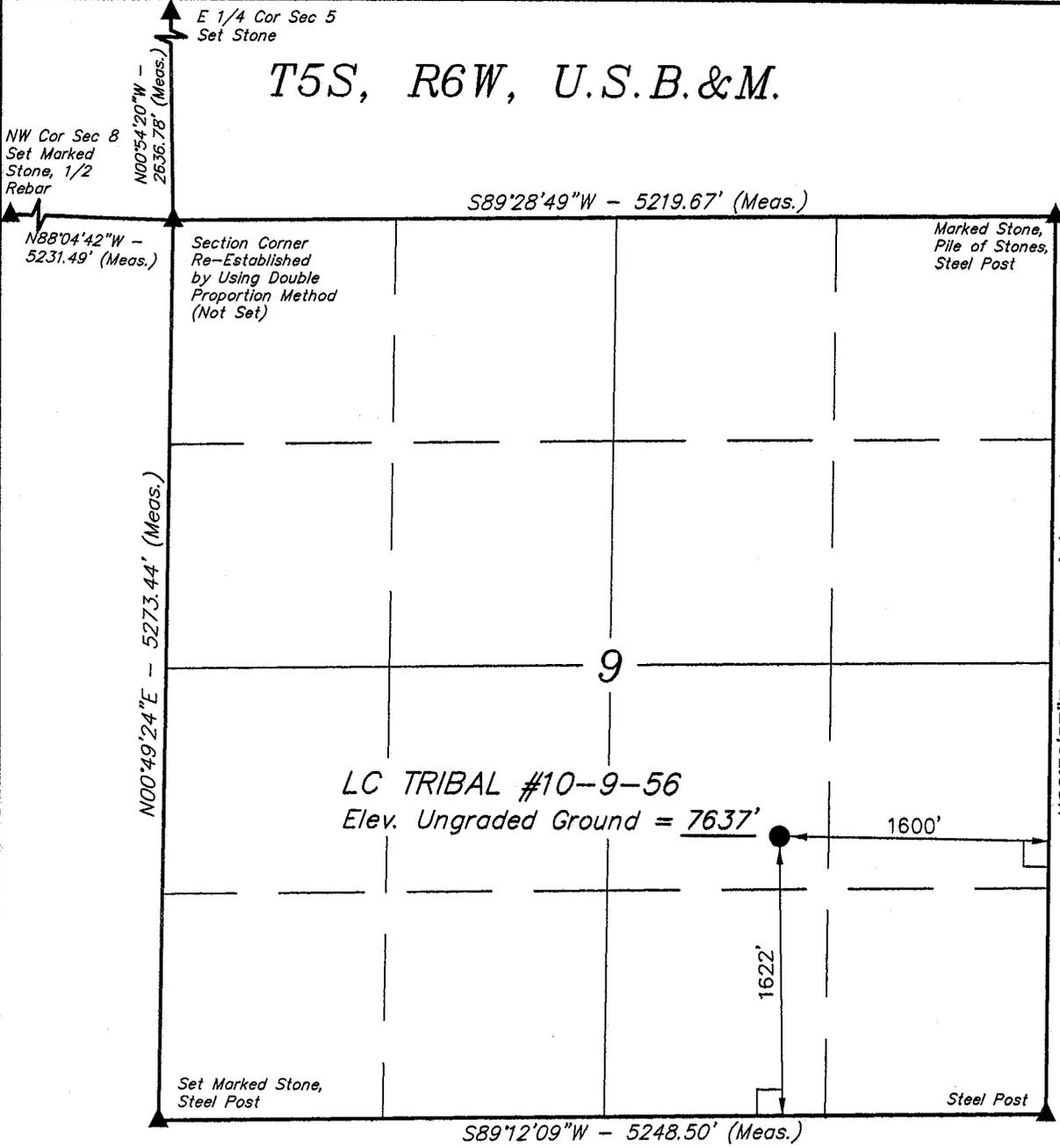
Well location, LC TRIBAL #10-9-56, located as shown in the NW 1/4 SE 1/4 of Section 9, T5S, R6W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

**BASIS OF BEARINGS**

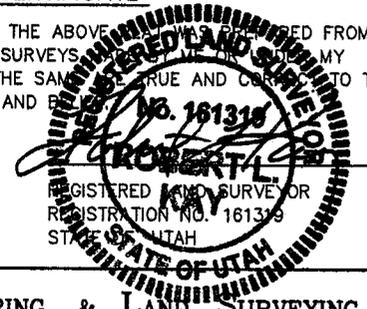
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-18-06	DATE DRAWN: 11-08-06
PARTY P.J. J.W. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BERRY PETROLEUM COMPANY	

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 40°03'29.63" (40.058231)  
 LONGITUDE = 110°33'39.44" (110.560956)  
 (NAD 27)  
 LATITUDE = 40°03'29.77" (40.058269)  
 LONGITUDE = 110°33'36.88" (110.560244)

**From:** Robert Clark  
**To:** Mason, Diana  
**Date:** 4/2/2007 9:02 AM  
**Subject:** RDCC short turn-around responses

**CC:** Anderson, Tad; Mcneill, Dave; Wright, Carolyn  
The following comments are in response to RDCC short turn-around items **RDCC #7812 - #7815**.

**RDCC #7812, Comments begin:** The Berry Petroleum Company proposal to drill the LC Fee 1-12-57 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) . **Comments end.**

**RDCC #7813, Comments begin:** The Berry Petroleum Company proposal to drill the LC Fee 6-12-57 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) .

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**RDCC #7814, Comments begin:** The Berry Petroleum Company proposal to drill the LC Tribal 10-9-56 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) . **Comments end.**

**RDCC #7815, Comments begin:** Petro-Canada Resources (USA), Inc. proposal to drill the State 1214-32-21 wildcat well, in Carbon County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm) . **Comments end.**

Robert Clark

**From:** Gil Hunt  
**To:** Brad Hill; Diana Mason  
**Date:** 4/2/2007 3:51 PM  
**Subject:** Fwd: RDCC short-turn-around items

>>> Kimm Harty 04/02/2007 3:42 PM >>>

Pam and Gil: Below are UGS comments on four RDCC short-turn-around items (# 7812-7815). Please contact us should you have any questions on our comments. Kimm

7812. Division of Oil, Gas and Mining  
Short Turn Around Drilling Permit  
Sec. 12, T5S, R7W, Duchesne County  
Application for Permit to Drill - proposal to drill a wildcat well the LC Fee 1-12-57 on a Fee lease

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7813. Division of Oil, Gas and Mining  
Short Turn Around Drilling Permit  
Sec. 12, T5S, R7W, Duchesne County  
Application for Permit to Drill - proposal to drill a wildcat well the LC Fee 6-12-57 on a Fee lease

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7814. Division of Oil, Gas and Mining  
Short Turn Around Drilling Permit  
Sec. 9, T5S, R6W, Duchesne County  
Application for Permit to Drill - proposal to drill a wildcat well the LC Tribal 10-9-56 on Indian Lease 14-20-H62-5500

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7815. Division of Oil, Gas and Mining  
Short Turn Around Drilling Permit  
Sec. 32, T12S, R14E, Carbon County  
Application for Permit to Drill - proposal to drill a wildcat well the State 1214-32-21 on State lease ML-49395

Although there are no paleontological localities recorded in our files for this project area, the Eocene Green River Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

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

FORM 3

AMENDED REPORT   
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: 14-20-H62-5500 (EDA)	6. SURFACE: FEE
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE	
2. NAME OF OPERATOR: BERRY PETROLEUM COMPANY		8. UNIT or CA AGREEMENT NAME: N/A	
3. ADDRESS OF OPERATOR: RT. 2 BOX 7735 CITY ROOSEVELT STATE UTAH ZIP 84066		PHONE NUMBER: (435)722-1325	9. WELL NAME and NUMBER: LC TRIBAL 10-9D-56
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 4434102 x 5374954 40.05823 -110.56040 1622' FSL, 1600' FEL NAD 27 AT PROPOSED PRODUCING ZONE: 537354 x 4434234 x 40.059424 40.058269 LAT -110.562027 BHL: 2058' FSL, 2066' FEL 110.560244 LONG		10. FIELD AND POOL, OR WILDCAT: LAKE CANTON Wildcat 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: (NW/SE) SEC. 9, T.5S., R.6W. U.S.B.&M.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 16.1 MILES FROM DUCHESNE, UTAH		12. COUNTY: DUCHESNE	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1600'	16. NUMBER OF ACRES IN LEASE: 80.00	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) N/A	19. PROPOSED DEPTH: 6146'	20. BOND DESCRIPTION: RLB0005651	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 7633' GR	22. APPROXIMATE DATE WORK WILL START: REFER TO BPC SOP PLAN	23. ESTIMATED DURATION: REFER TO BPC SOP PLAN	

24. PROPOSED CASING AND CEMENTING PROGRAM: SEE ATTACHMENT

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4	8 5/8 J-55 STC 24#	300'	TYPE III + ADDITIVES	130 SX	1.43 CF/SK 14.3 PPG
7 7/8	5 1/2 J-55 LTC 15.5#	6146'	HI-FILL MODIFIED+ADDITIVES	250 SX	3.46 CF/SK 11.0 PPG
			65/35 POZ+6% GEL+3% KCL+ADDITIVES	300 SX	1.94 CF/SK 13.0 PPG
NOTE: ACTUAL VOLUMES PUMPED WILL BE CALIPER HOLE VOLUME+25% EXCESS					

25. ATTACHMENTS: SEE CEMENT RECOMMENDATION ATTACHMENT

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 (BPC SOP ON FILE WITH STATE)       |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER. |

NAME (PLEASE PRINT) SHELLEY E. CROZIER TITLE REGULATORY & PERMITTING SPECIALIST  
SIGNATURE Shelley E. Crozier DATE 04/19/07

(This space for State use only)

API NUMBER ASSIGNED: 43-013-33592

Approved by the  
Utah Division of  
Oil, Gas and Mining

RECEIVED  
APR 23 2007

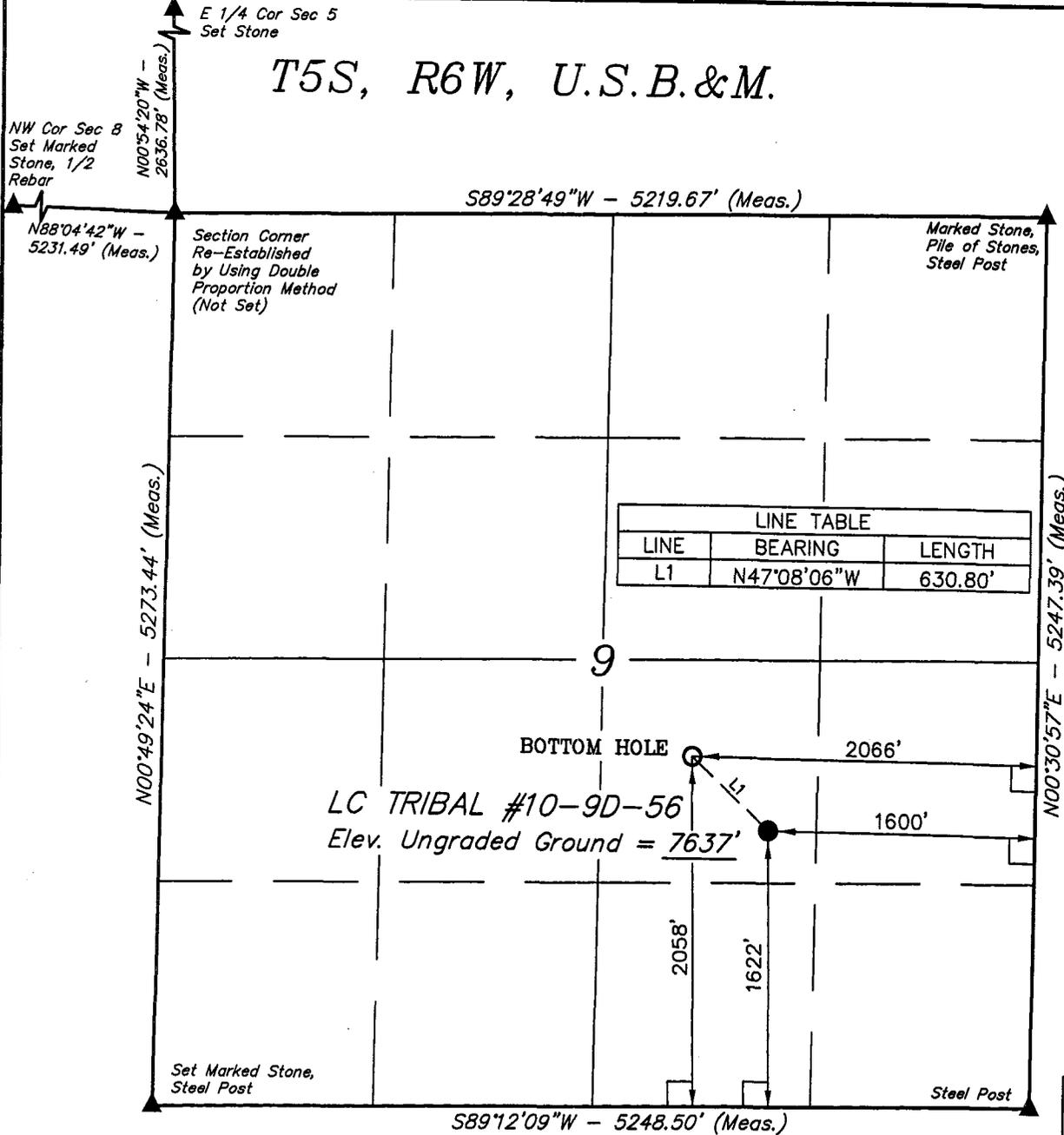
(11/2001)

Federal Approval of this  
Action is Necessary

Date: 05-07-07  
By: [Signature]

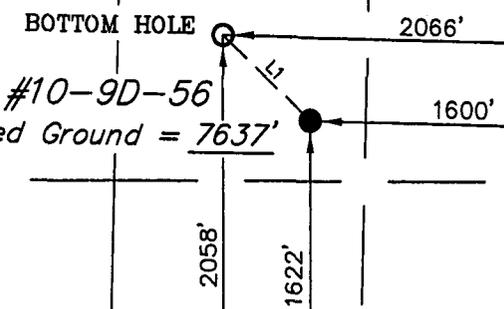
DIV. OF OIL, GAS & MINING

T5S, R6W, U.S.B.&M.



LINE TABLE		
LINE	BEARING	LENGTH
L1	N47°08'06\"W	630.80'

LC TRIBAL #10-9D-56  
 Elev. Ungraded Ground = 7637'



**BERRY PETROLEUM COMPANY**

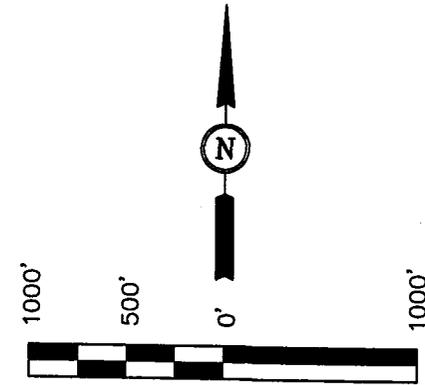
Well location, LC TRIBAL #10-9D-56, located as shown in the NW 1/4 SE 1/4 of Section 9, T5S, R6W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

**BASIS OF BEARINGS**

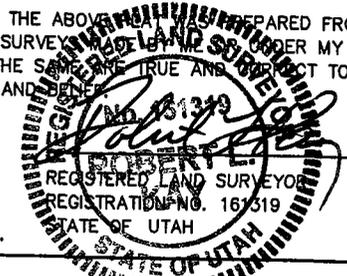
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



Revised: 04-15-07 D.R.B.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 40°03'29.63" (40.058231)  
 LONGITUDE = 110°33'39.44" (110.560956)  
 (NAD 27)  
 LATITUDE = 40°03'29.77" (40.058269)  
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SCALE 1" = 1000'	DATE SURVEYED: 10-18-06	DATE DRAWN: 11-08-06
PARTY P.J. J.W. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BERRY PETROLEUM COMPANY	

SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

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

LC Tribal 10-9D-56

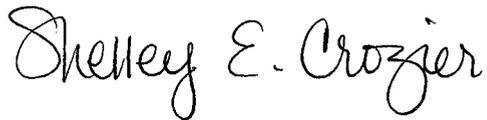
NW 1/4, SE 1/4, 1622' FSL, 1600' FEL, Section 9, T. 5 S., R. 6 W., U.S.B.&M.

BHL: NW 1/4, SE 1/4, 2058' FSL 2066' FEL

Lease 14-20-H62-5500 (EDA)

Duchesne, County, Utah

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



Shelley E. Crozier  
Regulatory & Permitting Specialist  
Berry Petroleum Company  
4000 South 4028 West  
Route 2, Box 7735  
Roosevelt, Utah 84066  
435-722-1325

BERRY PETROLEUM COMPANY

LC Tribal 10-9D-56

Surface location NW 1/4, SE 1/4, 1622' FSL, 1600' FEL, Section 9, T. 5 S., R. 6 W., U.S.B.&M.

BHL: NW 1/4, SE 1/4, 2058' FSL 2066' FEL

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 * @ BHL (TVD)</b>	<b>DRILL DEPTH * @ SHL (TVD)</b>
Uinta	Surface	On Surface
Green River	1,605'	1,602'
Green River Upper Marker	2,095'	2,095'
Mahogany	2,711'	2,712'
Tgr3 Marker	3,751'	3,752'
Douglas Creek	4,515'	4,515'
*Black Shale	5,199'	5,201'
*Castle Peak	5,493'	5,495'
Uteland Butte Ls.	5,799'	5,801'
Wasatch	6,044'	6,046'
TD	6,144'	6,146'
Base of Moderately Saline Water (less than 10,000 ppm)	5,433'	5,431'

\*PROSPECTIVE PAY

**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 section.**

3 **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.

The anticipated bottom hole pressure will be less than 3,000 psi.

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 300'	No Pressure Control
300 – 6146'	9" 2000# Ram Type BOP 9" 2000# Annular BOP

**4 Proposed Casing and Cementing Program**

The proposed Casing Program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Type</u>	<u>Connection</u>	<u>Weight</u>
Surface	300'	12 1/4"	8-5/8"	J-55	ST&C	24#
Production	6146'	7-7/8"	5-1/2"	J-55	LT&C	15.5#
<u>Surface</u>	<u>Fill</u>	<u>Type &amp; Amount</u>				

**SEE ATTACHED CEMENT PROCEDURES**

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

**SEE ATTACHED CEMENT PROCEDURES**

For production casing, actual cement volumes will be determined from the caliper log plus a minimum of 25% excess.

**5 Drilling Fluids Program**

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Remarks</u>
0' – 300'	8.6	27	NC	Spud Mud or air
300'-6146'	8.6	27	NC	KCL Water

## 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.

## 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.

BERRY PETROLEUM COMPANY  
LC Tribal 10-9D-56  
Surface location NW 1/4, SE 1/4, 1622' FSL, 1600' FEL, Section 9, T. 5 S., R. 6 W., U.S.B.&M.  
BHL: NW 1/4, SE 1/4, 2058' FSL 2066' FEL  
Duchesne County, Utah

ONSHORE ORDER NO. 1

MULTI POINT SURFACE USE & OPERATIONS PLAN

**1 Existing Roads**

To reach the Berry Petroleum Company well, LC Tribal 10-9D-56, in Section 9-T5S-R6W:

Start in Duchesne, Utah. Proceed southwest on US Highway 191. Travel southwest 3.5 miles. Turn west and proceed 6.6 miles. Turn south and proceed 5.1 miles along the Skitzzy Road. Keep proceeding south on the 2 track road 0.9 +/- miles to the LC Tribal 10-9D-56 access road. Proceed 130' feet to the LC Tribal 10-9D-56 location.

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.

**3 Location of Existing Wells**

See Topographic Map "C" for the location of existing wells within a 1 mile 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. The required paint color is desert brown (10YR 6/4) unless otherwise designated by the Authorized Officer.

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, hold 100% of the capacity of the largest tank. The site specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded with the 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.

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 Douglas E. & Yordis Nielsen source well located in Sec. 12, T5S, R6W, permit # 43-1628, 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 from Petroglyph Operating Company 08-04 Waterplant, Sec. 8, T5S, R3W.*

#### **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 cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 180 days after drilling is terminated. Upon well completion, weather permitting (summer months), any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless otherwise specified, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

If it is determined at the onsite that a pit liner is necessary, the reserve pit will be lined with a synthetic reinforced liner a minimum of 12 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. Trash or scrap that could puncture the liner will not be disposed of in the pit.

Reserve pit leaks are considered an unacceptable and undesirable event and will be orally reported to the Authorized Agency Officer.

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, confined to the approved pit or storage tank 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.

Production fluids will be contained in leak-proof tanks. 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 (weather permitting).

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

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 Wellsite 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)

## 10 Plans for Restoration of the Surface

The dirt contractor will be provided with approved copies of the Surface Use Plan prior to construction activities.

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

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 irrigation systems, 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 backfilling the reserve pit, the fence surrounding the reserve pit will be removed. The pit liner will be folded, torn, and perforated after the pit dries and prior to backfilling the reserve pit.

Before any dirt work associated with reserve pit restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations. The reserve pit will be reclaimed within 180 days from the date of well completion, weather permitting. Once reclamation activities have begun, the activities will be completed within 30 days.

After the reserve pit has been reclaimed, no depressions in the soil covering the reserve pit will be allowed. The object is to keep seasonal rainfall and runoff from seeping into the soil used to cover the reserve pit. Diversion ditches and water bars will be used to divert runoff as needed.

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 is noted on the location plat attached. 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 reseeding, all disturbed areas, including the old access road, will be scarified and left with a rough surface.

The Authorized Agency Officer 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.

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**

**Division of Wildlife Resources  
1594 W. North Temple, Suite 2110  
Salt Lake City, UT 84114-6301  
1-801-538-4792**

**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 Authorized Agency or the appropriate County Extension Office.

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

Travel is restricted to only approved travel routes.

A class III archaeological survey will be conducted on all lands, unless landowner waives rights for archaeological survey. 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 Agency Officer.

Within five working days, the Authorized Agency 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 Agency 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 Agency Officer and/or the surface owner will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Agency Officer that required mitigation has been completed, the Operator will then be allowed to resume construction.

All Surface Use Conditions of Approval associated with the Landowner Surface Use Agreement and Environmental Analysis Mitigation Stipulations will be adhered to.

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).

**13 Operator's Representative and Certification**

A) Representative  
NAME: Shelley E. Crozier  
ADDRESS: Berry Petroleum Company  
4000 South 4028 West  
Route 2, Box 7735  
Roosevelt, Utah 84066  
PHONE: 435-722-1325

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations and onshore oil and gas orders. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

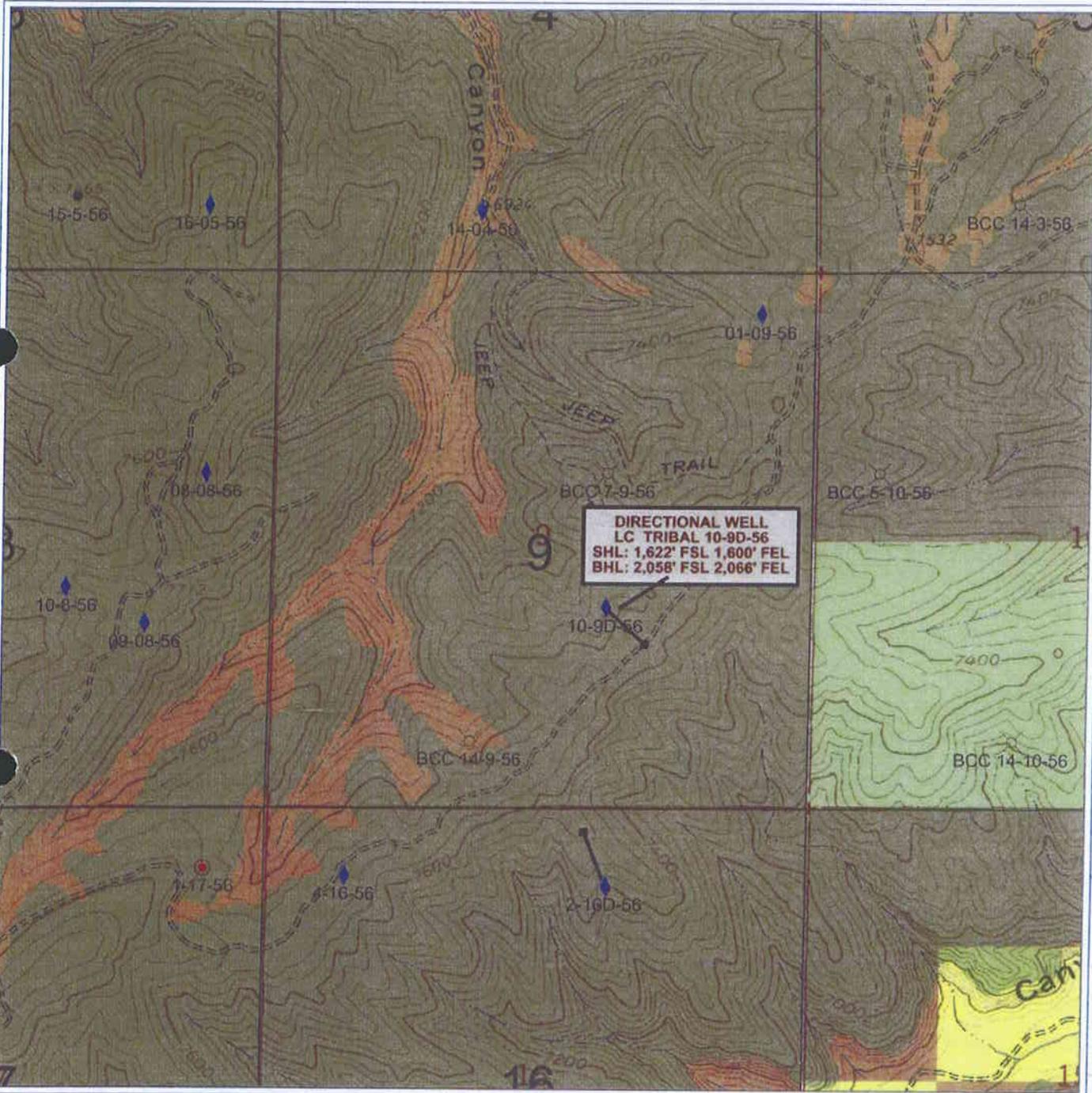
The drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite 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.

April 19, 2007  
DATE

Shelley E. Crozier  
Shelley E. Crozier  
Regulatory & Permitting Specialist  
Berry Petroleum Company



**DIRECTIONAL WELL**  
 LC TRIBAL 10-9D-56  
 SHL: 1,622' FSL 1,600' FEL  
 BHL: 2,058' FSL 2,066' FEL

Berry Petroleum Company

**Lake Canyon Project**

Directional Drilling Plat

LC Tribal #10-9D-56

Sec 9 T5S R6W - Duchesne Co, Utah



POSTED WELL DATA

● Well Label

ATTRIBUTE MAP

- Any Raster Log IS PRESENT
- Any Digital Log IS PRESENT

WELL SYMBOLS

- Conceptual Location
- APD - Released to Stake and Survey
- Geologic Prognosis Prepared
- Service

April 19, 2007

T5S, R6W, U.S.B.&M.

**BERRY PETROLEUM COMPANY**

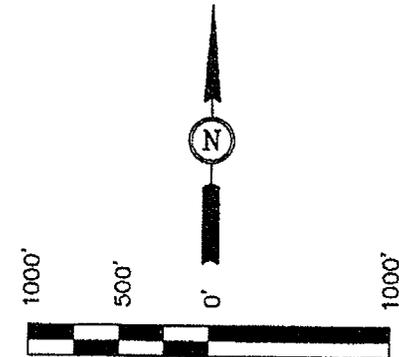
Well location, LC TRIBAL #10-9D-56, located as shown in the NW 1/4 SE 1/4 of Section 9, T5S, R6W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

**CERTIFICATE**

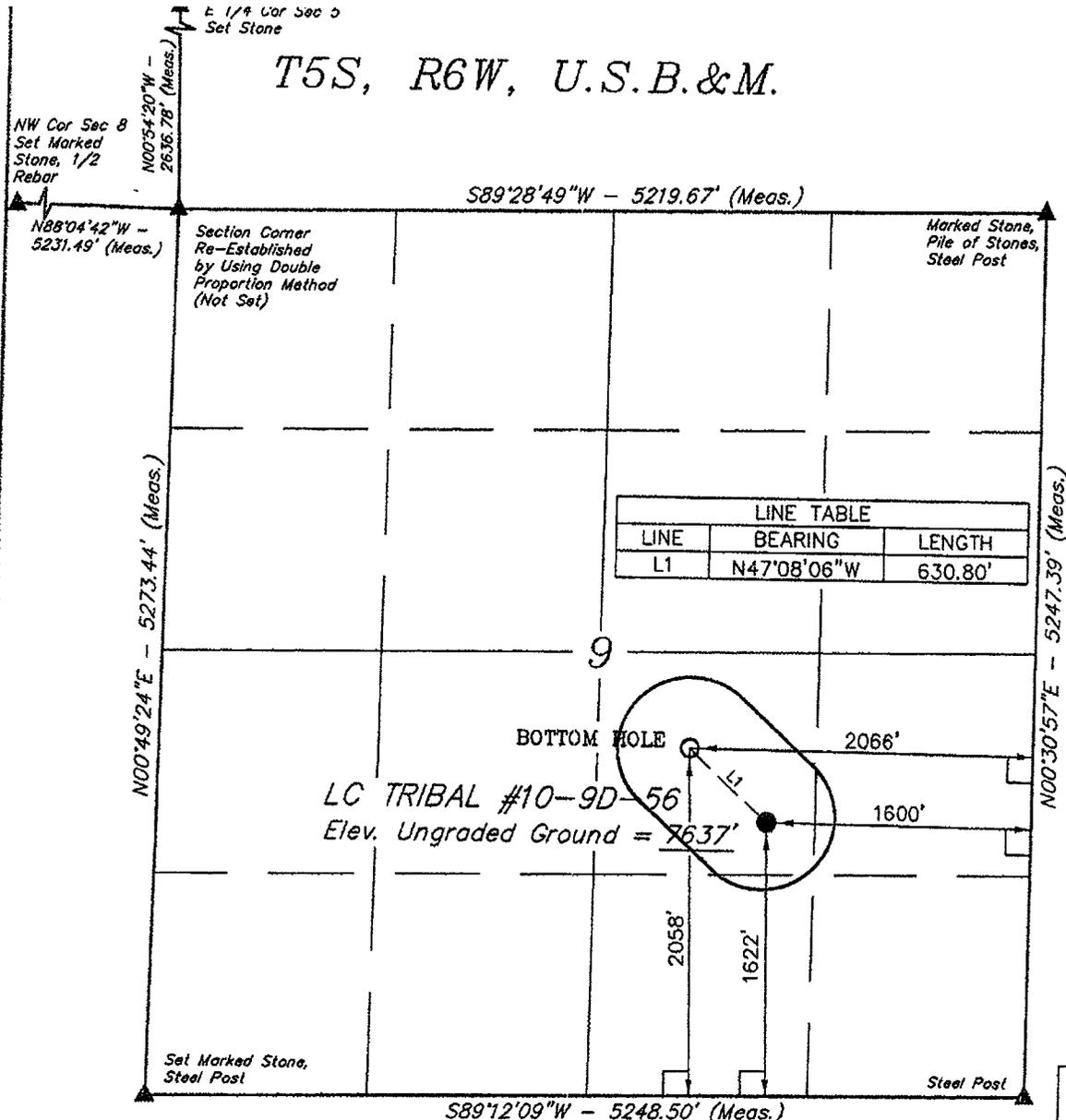
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Robert J. ...*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO: 161319  
 STATE OF UTAH

Revised: 04-15-07 D.R.B.

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-18-06	DATE DRAWN: 11-08-06
PARTY P.J. J.W. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BERRY PETROLEUM COMPANY	



**LEGEND:**

- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
 LATITUDE = 40°03'29.63" (40.058231)  
 LONGITUDE = 110°33'39.44" (110.560956)  
 (NAD 27)  
 LATITUDE = 40°03'29.77" (40.058269)  
 LONGITUDE = 110°33'36.88" (110.560244)



Proposal No: 1001102870A

**Berry Petroleum Co**  
LC Tribal 10-9D-56

9 5S 6W  
Duchesne County, Utah  
April 19, 2007

### Cement Recommendation

**Prepared for:**  
Tim McDonald  
Berry Petroleum Co.

**Prepared by:**  
WESLEY D COOK  
District Technical Supervisor  
Vernal, Utah  
Bus Phone: (435)781-2294  
Mobile: (435)828-4121



**Service Point:**  
Vernal  
Bus Phone: (435) 781-2294  
Fax: (435) 789-4530

**Service Representatives:**  
Darrin Bailey  
Senior Sales Rep  
Vernal, Utah  
Bus Phone: (435) 781-2294

Operator Name: Berry Petroleum Co  
Well Name: LC Tribal 10-9D-56  
Job Description: Cement 5-1/2 inch Production Casing  
Date: April 19, 2007



Proposal No: 1001102870A

**JOB AT A GLANCE**

Depth (TVD)	6,144 ft
Depth (MD)	6,188 ft
Hole Size	7.875 in
Casing Size/Weight :	5 1/2 in, 15.5 lbs/ft
Pump Via	5 1/2" O.D. (4.950" I.D) 15.5 #
Total Mix Water Required	7,236 gals
<b>Pre-Flush</b>	
Fresh Water	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
KCl Water	10 bbls
Density	8.4 ppg
<b>Spacer</b>	
Fresh Water	20 bbls
Density	8.3 ppg
<b>Lead Slurry</b>	
PL2+SF+3#CSE+3%KCL+0.25:	257 sacks
Density	11.0 ppg
Yield	3.43 cf/sack
<b>Tail Slurry</b>	
50:50:2+3%KCL+0.5%EC-1+0.:	323 sacks
Density	14.3 ppg
Yield	1.27 cf/sack
<b>Displacement</b>	
Fresh Water	141 bbls
Density	8.3 ppg

Operator Name: Berry Petroleum Co  
 Well Name: LC Tribal 10-9D-56  
 Job Description: Cement 5-1/2 inch Production Casing  
 Date: April 19, 2007



Proposal No: 1001102870A

**WELL DATA**

**ANNULAR GEOMETRY**

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.097 CASING	342	342
7.875 HOLE	6,188	6,144

**SUSPENDED PIPES**

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.950	15.5	6,188	6,144

Float Collar set @ 6,148 ft  
 Mud Density 8.40 ppg  
 Mud Type Water Based  
 Est. Static Temp. 145 ° F  
 Est. Circ. Temp. 115 ° F

**VOLUME CALCULATIONS**

342 ft x 0.1926 cf/ft with 0 % excess = 65.9 cf  
 3,758 ft x 0.1733 cf/ft with 25 % excess = 813.9 cf  
 1,860 ft x 0.1733 cf/ft with 25 % excess = 402.8 cf  
 40 ft x 0.1336 cf/ft with 0 % excess = 5.3 cf (inside pipe)  
**TOTAL SLURRY VOLUME = 1287.9 cf**  
 = 230 bbls

Confirm well data with customer representative prior to pumping.

**Operator Name:** Berry Petroleum Co  
**Well Name:** LC Tribal 10-9D-56  
**Job Description:** Cement 5-1/2 inch Production Casing  
**Date:** April 19, 2007



**Proposal No:** 1001102870A

**FLUID SPECIFICATIONS**

Pre-Flush 10.0 bbls Fresh Water @ 8.34 ppg  
 Spacer 10.0 bbls KCl Water @ 8.4 ppg  
 Spacer 20.0 bbls Fresh Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	880	/ 3.43	= 257 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3 lbs/sack CSE + 3% bwow Potassium Chloride + 0.25 lbs/sack Cello Flake + 2 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 201.6% Fresh Water
Tail Slurry	408	/ 1.27	= 323 sacks (50:50) Poz (Fly Ash):Class G Cement + 0.05 lbs/sack Static Free + 3% bwow Potassium Chloride + 0.5% bwoc EC-1 + 0.25 lbs/sack Cello Flake + 0.002 gps FP-6L + 2% bwoc Bentonite + 0.3% bwoc Sodium Metasilicate + 56.3% Fresh Water

Displacement 140.9 bbls Fresh Water @ 8.34 ppg

**CEMENT PROPERTIES**

	<b>SLURRY NO. 1</b>	<b>SLURRY NO. 2</b>
Slurry Weight (ppg)	11.00	14.30
Slurry Yield (cf/sack)	3.43	1.27
Amount of Mix Water (gps)	21.03	5.67
Amount of Mix Fluid (gps)	21.03	5.67
Estimated Pumping Time - 70 BC (HH:MM)	4:30	3:30

**COMPRESSIVE STRENGTH**

24 hrs @ 144 ° F (psi)	2300
72 hrs @ 144 ° F (psi)	2550

Compressive strengths and thickening times are estimates only. Final laboratory testing will determine retarder loadings, if necessary.

Slurry volumes are based off of 25% excess with gauge hole.



## CONDITIONS

**BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, [www.bjservices.com](http://www.bjservices.com). By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.**

**In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.**

Operator Name: Berry Petroleum Co  
Well Name: LC Tribal 10-9D-56  
Date: April 19, 2007



Proposal No: 1001102870A

## PRODUCT DESCRIPTIONS

### **Bentonite**

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

### **CSE**

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water without the need for standard extenders.

### **Cello Flake**

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

### **Class G Cement**

Intended for use as a basic cement from surface to 8000 ft as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

### **EC-1**

A proprietary product that provides expansive properties and improves bonding at low to moderate temperatures.

### **FP-6L**

A clear liquid that decreases foaming in slurries during mixing.

### **Kol Seal**

A granular, lightweight material (specific gravity of 1.3) used to control lost circulation in zones of natural and induced fractures, cavities and high permeability.

### **Potassium Chloride**

A granular salt used to reduce clay swelling caused by water-base stimulation fluids.

### **Potassium Chloride**

A granular salt used to reduce clay swelling caused by water-base cementing fluids.

### **Poz (Fly Ash)**

A synthetic pozzolan, (primarily Silicon Dioxide). When blended with cement, Pozzolan can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

### **Premium Lite II Cement**

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

### **Sodium Metasilicate**

An accelerator used to decrease the thickening time of cement slurries.

### **Sodium Metasilicate**

An extender used to produce an economical, low density cement slurry.

**Operator Name:** Berry Petroleum Co  
**Well Name:** LC Tribal 10-9D-56  
**Date:** April 19, 2007



**Proposal No:** 1001102870A

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**PRODUCT DESCRIPTIONS (Continued)**

**Static Free**

An anti-static additive used to prevent air entrainment due to agglomerated particles. Can be used in Cementing and Fracturing operations to aid in the flow of dry materials.

**Operator Name:** Berry Petroleum Co  
**Well Name:** LC Tribal 10-9D-56  
**Date:** April 19, 2007



**Proposal No:** 1001102870A

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**End of Report**



Proposal No: 1001102869A

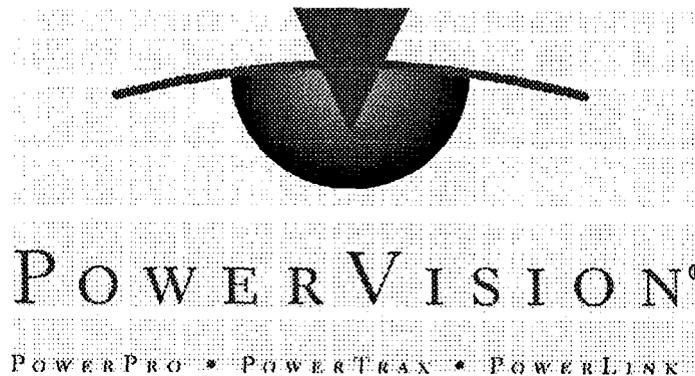
**Berry Petroleum Co**  
LC Tribal 10-9D-56

9 5S 6W  
Duchesne County, Utah  
April 19, 2007

**Cement Recommendation**

**Prepared for:**  
Tim McDonald  
Berry Petroleum Co.

**Prepared by:**  
WESLEY D COOK  
District Technical Supervisor  
Vernal, Utah  
Bus Phone: (435)781-2294  
Mobile: (435)828-4121



**Service Point:**  
Vernal  
Bus Phone: (435) 781-2294  
Fax: (435) 789-4530

**Service Representatives:**  
Darrin Bailey  
Senior Sales Rep  
Vernal, Utah  
Bus Phone: (435) 781-2294

Operator Name: Berry Petroleum Co  
Well Name: LC Tribal 10-9D-56  
Job Description: Cement 5-1/2 inch Production Casing  
Date: April 19, 2007



Proposal No: 1001102869A

**JOB AT A GLANCE**

Depth (TVD)	6,144 ft
Depth (MD)	6,188 ft
Hole Size	7.875 in
Casing Size/Weight :	5 1/2in, 15.5 lbs/ft
Pump Via	
Total Mix Water Required	8,109 gals
<b>Pre-Flush</b>	
Fresh Water	10 bbls
Density	8.3 ppg
<b>Spacer</b>	
KCl Water	10 bbls
Density	8.4 ppg
<b>Spacer</b>	
Fresh Water	20 bbls
Density	8.3 ppg
<b>Lead Slurry</b>	
PL2+SF+3#CSE+3%KCL+0.25:	250 sacks
Density	11.0 ppg
Yield	3.46 cf/sack
<b>Tail Slurry</b>	
PL II HS	300 sacks
Density	13.0 ppg
Yield	1.94 cf/sack
<b>Displacement</b>	
Fresh Water	139 bbls
Density	8.3 ppg

Operator Name: Berry Petroleum Co  
 Well Name: LC Tribal 10-9D-56  
 Job Description: Cement 5-1/2 inch Production Casing  
 Date: April 19, 2007



Proposal No: 1001102869A

**WELL DATA**

**ANNULAR GEOMETRY**

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.097 CASING	342	342
7.875 HOLE	6,188	6,144

**SUSPENDED PIPES**

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.950	15.5	6,188	6,144

Float Collar set @ 6,148 ft  
 Mud Density 8.40 ppg  
 Mud Type Water Based  
 Est. Static Temp. 145 ° F  
 Est. Circ. Temp. 115 ° F

**VOLUME CALCULATIONS**

342 ft x 0.1926 cf/ft with 0 % excess = 65.9 cf  
 3,158 ft x 0.1733 cf/ft with 46 % excess = 800.2 cf  
 2,400 ft x 0.1733 cf/ft with 38 % excess = 575.4 cf  
 40 ft x 0.1336 cf/ft with 0 % excess = 5.3 cf (inside pipe)  
**TOTAL SLURRY VOLUME = 1446.9 cf**  
 = 258 bbls

Confirm well data with customer representative prior to pumping.

**Operator Name:** Berry Petroleum Co  
**Well Name:** LC Tribal 10-9D-56  
**Job Description:** Cement 5-1/2 inch Production Casing  
**Date:** April 19, 2007



**Proposal No:** 1001102869A

**FLUID SPECIFICATIONS**

Pre-Flush 10.0 bbls Fresh Water @ 8.34 ppg  
 Spacer 10.0 bbls KCl Water @ 8.4 ppg  
 Spacer 20.0 bbls Fresh Water @ 8.34 ppg

<u>FLUID</u>	<u>VOLUME CU-FT</u>	<u>VOLUME FACTOR</u>	<u>AMOUNT AND TYPE OF CEMENT</u>
Lead Slurry	866	/ 3.46	= 250 sacks Premium Lite II Cement + 0.05 lbs/sack Static Free + 3% bwoc Potassium Chloride + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 0.002 gps FP-6L + 10% bwoc Bentonite + 0.5% bwoc Sodium Metasilicate + 3 lbs/sack CSE-2 + 201.6% Fresh Water
Tail Slurry	581	/ 1.94	= 300 sacks Premium Lite II High Strength + 0.05 lbs/sack Static Free + 1% bwoc Calcium Chloride + 0.4% bwoc FL-63 + 0.25 lbs/sack Cello Flake + 5 lbs/sack Kol Seal + 0.002 gps FP-6L + 0.2% bwoc BA-59 + 91.2% Fresh Water
Displacement			139.5 bbls Fresh Water @ 8.34 ppg

**CEMENT PROPERTIES**

	<b>SLURRY NO. 1</b>	<b>SLURRY NO. 2</b>
Slurry Weight (ppg)	11.00	13.00
Slurry Yield (cf/sack)	3.46	1.94
Amount of Mix Water (gps)	21.03	9.51
Amount of Mix Fluid (gps)	21.03	9.51
Estimated Pumping Time - 70 BC (HH:MM)	4:30	3:30

**COMPRESSIVE STRENGTH**

24 hrs @ 144 ° F (psi)	2300
72 hrs @ 144 ° F (psi)	2550

Compressive strengths and thickening times are estimates only. Final laboratory testing will determine retarder loadings, if necessary.



## CONDITIONS

**BJ Services' performance of services and sale of materials is expressly conditioned upon the applicability of the Terms and Conditions contained in the current BJ Services Price Book. The Terms and Conditions include, among other things, an indemnity in favor of BJ Services from Customer for damage to the well bore, reservoir damage, loss of the hole, blowouts and loss of control of the well, even if caused by the negligence or other fault of BJ Services. The Terms and Conditions also limit the warranties provided by the BJ Services and the remedies to which Customer may be entitled in the event of a breach of warranty by BJ Services. For these reasons, we strongly recommend that you carefully review a copy of the Terms and Conditions. If you do not have a copy of the BJ Services Price Book, you can view the Terms and Conditions on BJ Services Web Site, [www.bjservices.com](http://www.bjservices.com). By requesting that BJ Services perform the services described herein, Customer acknowledges that such Terms and Conditions are applicable to the services. Further, by requesting the services, Customer warrants that its representative on the well location or other service site will be fully authorized to acknowledge such Terms and Conditions by executing a Field Receipt or other document presented by BJ Services containing such Terms and Conditions.**

**In the event that Customer and BJ Services have executed a Master Services Agreement covering the work to be performed, such Master Services Agreement shall govern in place of the Terms and Conditions. If you are interested in entering into Master Services Agreement with BJ Services, please contact us through the "Go BJ" button on the BJ Services Web Site.**

**Operator Name:** Berry Petroleum Co  
**Well Name:** LC Tribal 10-9D-56  
**Date:** April 19, 2007



**Proposal No:** 1001102869A

## PRODUCT DESCRIPTIONS

### **BA-59**

A free flowing powder which provides improved bonding and minimizes gas migration. Provides expansion properties and zero free water to cement slurries.

### **Bentonite**

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

### **CSE-2**

An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water without the need for standard extenders.

### **Calcium Chloride**

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

### **Cello Flake**

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

### **FL-63**

A non-retarding, non-viscosifying fluid loss additive particularly suited for use with coil tubing and/or close tolerance liner cementing. FL-63 is effective from low to high temperatures. Concentrations of 0.2% to 1.0% BWOC are typical.

### **FP-6L**

A clear liquid that decreases foaming in slurries during mixing.

### **Koi Seal**

A granular, lightweight material (specific gravity of 1.3) used to control lost circulation in zones of natural and induced fractures, cavities and high permeability.

### **Potassium Chloride**

A granular salt used to reduce clay swelling caused by water-base stimulation fluids.

### **Premium Lite II Cement**

Premium Lite II is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

### **Premium Lite II High Strength**

Premium Lite II High Strength is a high-yield, cost effective lightweight cement blend that provides exceptional compressive strength and reduced permeability when mixed at low slurry weights.

### **Sodium Metasilicate**

An accelerator used to decrease the thickening time of cement slurries.

### **Static Free**

An anti-static additive used to prevent air entrainment due to agglomerated particles. Can be used in Cementing and Fracturing operations to aid in the flow of dry materials.

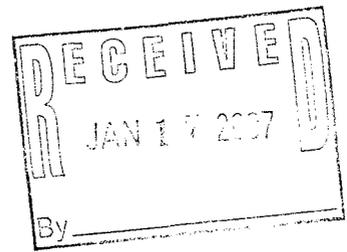
**Operator Name:** Berry Petroleum Co  
**Well Name:** LC Tribal 10-9D-56  
**Date:** April 19, 2007



**Proposal No:** 1001102869A

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**End of Report**



Berry Petroleum Company,  
Lake Canyon Tribal (LCT) #10-9-56 well:  
A Cultural Resource Inventory for a well pad,  
its access and pipeline,  
Uintah-Ouray Ute Reservation,  
Duchesne County, Utah

By  
James A. Truesdale

James A. Truesdale  
Principle Investigator

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Prepared By  
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82073

Utah Project # U-06-AY-1491(s)

December 11, 2006

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Figure 1. Location of the Berry Petroleum Co.'s proposed Lake Canyon (LC) Tribal #10-9-56 well, its access and pipeline 7.5'/1962 USGS quadrangle map Buck Knoll, Duchesne County, Utah. - - - - - 2

## Introduction

An Independent Archaeologist (AIA) was contacted by a representative of Berry Petroleum Co., to conduct a cultural resources investigation of the proposed Lake Canyon Tribal (LCT) #10-9-56 well, its access and pipeline. The location of the project area is in the NW/SE 1/4 of Section 9, T5S, R6W, Duchesne County, Utah (Figure 1).

The proposed LCT #10-9-56 well's centerstake (Alternate #1) footage is 1623' FSL and 1600' FEL. The Universal Transverse Mercator (UTM) centroid coordinate for the proposed LC Tribal #10-9-56 well centerstake in Zone 12, North American Datum (NAD) 83 is 05/37/443.12 mE 44/34/310.37 mN +5m.

The LCT #10-9-56 well's proposed access and pipeline is an existing oil and gas field service road and pipeline that trends southwest to northeast across the LCT #10-9-56 well pad.

The land surface in Section 9 of Township 5 South Range 6 West is administered by the Utah Division of Wildlife Resources while the minerals are administered by the Bureau of Indian Affairs, Phoenix Area Office, Uintah-Ouray Agency and the Uintah-Ouray Ute Tribe, Fort Duchesne, Utah. A total of 10 acres (10 block, 0 linear) was surveyed. Fieldwork was authorized through an access permit issued by the Energy and Minerals Resource Division of the Uintah-Ouray Ute tribe. The fieldwork was conducted on October 16 and 17, and October 24 through 27, 2006 by AIA archaeologist James Truesdale. All the field notes and maps are located in the AIA office in Laramie, Wyoming.

## File Search

A GIS file search was conducted at the Utah Division of State History (UDSH), Antiquities Section, Records Division in October 13 of 2006. In addition, AIA's USGS quadrangle Buck Knoll, Duchesne SW, Duchesne SE, Anthro Mountain and Anthro Mountain NE base maps were updated from UDSH Records division Buck Knoll, Duchesne SW, Duchesne SE, Anthro Mountain and Anthro Mountain NE base maps in November of 2003 and again on February 2, 2004. The UDSH SHPO GIS file search reported that no previous projects had been conducted in the general area (Section 9, T5S R6W). No cultural resources (sites and/or isolates) have been recorded in the general area (Section 9, T5S R6W). No projects and/or cultural materials (sites, isolates) have been previously recorded in the immediate project area.

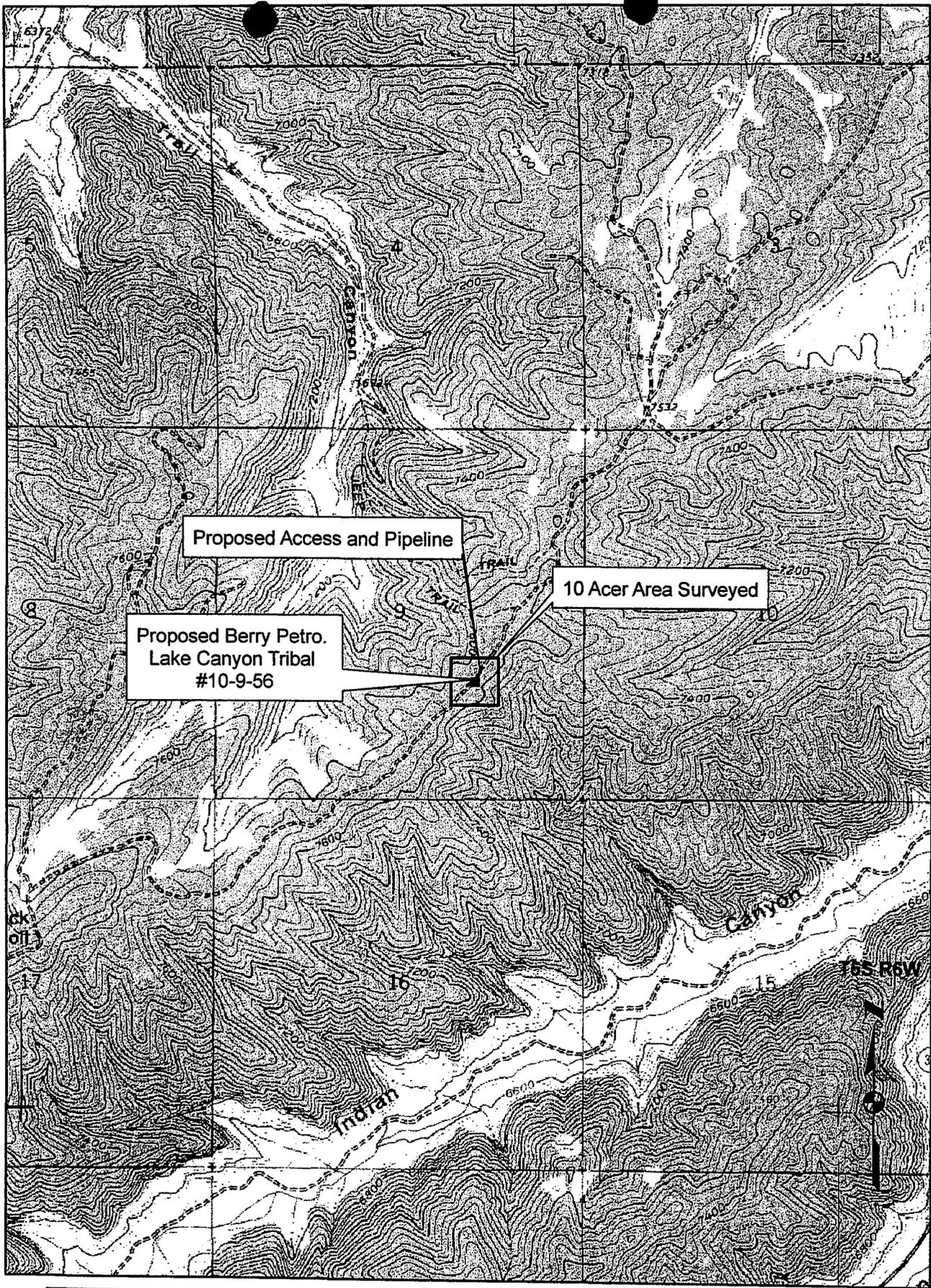


Figure 1. Location of the Berry Petroleum Co.'s proposed Lake Canyon Tribal #10-9-56 well, its access and pipeline on 7/5'/1964 USGS Quadrangle map Buck Knoll, Duchesne County, Utah.

## Environment

Physiographically, the project is located in the Uinta Basin, approximately 8 miles southwest of Duchesne, Utah. The Uinta Basin is structurally the lowest part of the Colorado Plateau geographical province (Thornbury 1965:425). The Uinta Basin is a large, relatively flat, bowl shaped, east-west asymmetrical syncline near the base of the Uinta Mountains (Stokes 1986:231). The topography is characteristic of sloping surfaces which incline northward and are mainly dip slopes on the harder layers of Green River and Uinta Formations. The terrain is characterized as having steep ridges and/or buttes of Uintah Formation sandstones and clays dissected by seasonal drainages and washes with wide flat alluvial plains. The basin contains a thick section of more than 9000 feet (2743.9 m) of early Tertiary rocks (Childs 1950). These rocks are mainly Paleocene and Eocene in age and consist of sandstone, clay and shale lacustrine, fluviatile, and deltaic continental deposits, most famous of which are the lacustrine Green River Beds.

The project area is located on top of a sequence of high upland ridges, benches and hills surrounding Buck Knoll. This upland area is situated along the western drainage slope of a sequence of larger ridges located west of Indian Canyon and east of Lake Canyon. Portions of the desert hardpan and bedrock in the project area are covered with aeolian sand that may reach a depth of over 50 to 100 centimeters in areas. Lake Canyon and Indian Canyon trend 8 miles north northeast to the Duchesne River.

Vegetation in the project area is characteristic of a Pinon/Juniper community. Species observed in the project area include; Pinyon pine (Pinus Edulis), juniper (Juniperus Osteosperma), curl-leaf mountain mahogany (Cercocarpus ledifolius), shadscale (Atriplex confertifolia), sand sage, (Artemesia filifolia), saltbush (Atriplex nuttallii), rabbitbrush (Chrysothamnus viscidiflorus), winterfat (Eurotia lanata), greasewood (Sarcobatus baileyi), Indian ricegrass (Oryzopsis hymenoides), desert needlegrass (Stipa speciosa), wild buckwheat (Eriogonum ovalifolium), silky lupine (Lupinus sericeus), desert globemallow (Bromus tectorum), sky rocket (Gilia aggregata), Tansy leaved evening primrose (Oenothera tanacetifolia), Rydberg's Penstemon (Penstemon rydbergi), Stemless Hymenoxys (Hymenoxys acaulis), Sego Lily (Calochortus nuttallii), peppergrass (Lepidium perfoliatum), Russian thistle (Salsola kali), Simpson's Hedgehog cactus (Pediocactus simpsonii) and prickly pear cactus (Opuntia spp.).

### Lake Canyon Tribal (LCT) #10-9-56

The Berry Petroleum Co.'s proposed Lake Canyon Tribal (LCT) #10-9-56 well is situated on the top (crest) of a large southwest

to northeast trending ridge. A existing oil and gas field service road trends along the top of the ridge and through the proposed well pad. This large ridge is located between Trail Canyon to the west and Indian Canyon to the east. The vegetation is dominated by a heavy stand of Pinyon/juniper forest with an understory of mountain mahogany, big sagebrush, budsage, buckwheat, yucca, prickly pear cactus and bunchgrasses (wheatgrass, Indian rice grass). A low sagebrush community consisting of sagebrush, saltbush, rabbitbrush, bunchgrasses and prickly pear cactus can be found in the open areas along the roads in the broad open flats on top of the ridges. Sediments surrounding the well pad are colluvial in nature. These colluvial deposits consist of shallow (<10 cm), poorly sorted, loosely compacted, tan to light brown sandy clay loam mixed with small sized flat angular pieces of sandstone, clay and shale. The elevation is 7632.56 feet (2327 m) AMSL.

The LCT #10-9-56 well's proposed access and pipeline is an existing oil and gas field service road and pipeline that is adjacent to the proposed well pad and trends through the proposed well pad as well. Sediments along the proposed access and pipeline have been disturbed by previous road construction and cyclic maintenance. Undisturbed sediments on either side of the two track consist of shallow (<5 cm), poorly sorted, loosely compacted, tan to light brown, sandy clay loam mixed with small sized angular pieces of Uinta formation sandstone, clay and shale. Exposures of sandstone, clay and shale bedrock can be found eroding from the ridge's talus slopes. Vegetation along the access and pipeline is dominated by Pinyon and juniper trees with an understory of mountain mahogany, low sage, yucca and prickly pear cactus.

The surrounding landscape exhibits exposures relatively thick ledges of sandstone with thinner layers of clay and shale. The surrounding vegetation is dominated by a Pinyon/juniper community with a understory of mountain mahogany, low sagebrush, yucca, bunchgrasses along the hill and ridge slopes, and low sagebrush community in the ridge top flats and open parks.

#### Field Methods

A total of 10 acres was surveyed around the centerstake of the proposed LCT #10-9-56 well location to allow for relocation of the pad if necessary. The survey was accomplished by walking transects spaced no more than 15 meters apart. The proposed access and pipeline is an existing road and pipeline that is adjacent to and runs through the proposed well pad. Therefore, the access and pipeline is located within the 10 acre area surveyed around the proposed well centerstake. Thus, a total of 0 linear acres were surveyed.

Geologic landforms (rockshelters, alcoves, ridge tops and saddles) and areas of subsurface exposure (ant hills, blowouts, rodent holes and burrow, eroding slopes and cutbanks) were examined with special care in order to locate cultural resources (sites, isolates) and possibly help assess a site's sedimentary integrity and potential for the presence and/or absence of buried intact cultural deposits. The entire surface areas of ridge tops were covered. All exposures of sandstone cliff faces, alcoves or rockshelter, and talus slopes were surveyed.

When cultural materials are discovered, a more thorough survey of the immediate vicinity is conducted in order to locate any associated artifacts and to determine the horizontal extent (surface area) of the site. If no other artifacts are located during the search then the initial artifact was recorded as an isolated find. At times, isolated formal tools (typical end scrapers, projectile points) were drawn and measured. The isolate was then described and its location plotted on a U.S.G.S. topographic map and UTM coordinates are recorded.

When sites are found an Intermountain Antiquities Computer System (IMACS) form was used to record the site. At all sites, selected topographic features, site boundaries, stone tools and cultural features (hearths, foundations, trash dumps and trails) are mapped. Sites were mapped with a Brunton compass and pacing off distances from a mapping station (datum). All debitage is inventoried using standard recording techniques (Truesdale et al 1995:7) according to material type, basic flake type, and so on. Selected (mostly complete) stone tools and projectile points are drawn and measured. All features (rockart panel(s), hearths, foundations, trash dumps and trails) are measured and described, while selected features are either drawn or photographed.

Site location data is recorded by a GARMIN Global Positioning System (GPS III Plus) and/or an E-Trex GPS. Site elevation and Universal Transverse Mercator (UTM) grid data, its Estimated Position Error (EPE) and Dilution of Precision (DOP) were recorded. Using the GPS data, the site location was then placed on a USGS 7.5' quadrangle map.

## Results

A total of 10 acres (10 block, 0 linear) were surveyed for cultural resources within and around the proposed Berry Petroleum Co. Lake Canyon Tribal (LCT) #10-9-56 and along its access and pipeline. No cultural resources (sites, isolates) were recorded during the survey. The project area has been subjected to heavy amounts of tree cutting. The project area has an existing road that trends southwest to northeast through the proposed well pad and contains modern trash (plastic oil cans, aluminum beer and soda pop cans) along either side of the road.

In addition, modern trash (plastic soda pop, oil and antifreeze bottles, clear, green, and brown bottle glass, sanitary food cans, wire, foam insulation and miscellaneous metal scraps) can be found throughout the Lake Canyon Oil and Gas Field Area and along its service roads.

### Recommendations

A total of 10 acres (10 block, 0 linear) were surveyed for cultural resources within and around the proposed Berry Petroleum Co. Lake Canyon Tribal (LCT) #10-9-56 and along its access and pipeline. No cultural resources (sites, isolates) were recorded during the survey. The project area has been subjected to heavy amounts of tree cutting. The project area has an existing road that trends southwest to northwest through the proposed well pad and contains modern trash (plastic oil cans, aluminum beer and soda pop cans) along either side of the road.

Modern trash (plastic soda pop, oil and antifreeze bottles, clear, green, and brown bottle glass, sanitary food cans, foam insulation and miscellaneous metal scraps) can be found throughout the Lake Canyon Oil and Gas Field Area and along its service roads.

Sediments on and surrounding the proposed well pad and along its access and pipeline are colluvial in nature and shallow (<5 to 10 cm). Thus, the possibility of buried and intact cultural materials on and surrounding the proposed well pad or along its access and pipeline is low. Therefore, no additional archaeological work is necessary and clearance is recommended for the construction of the proposed Lake Canyon Tribal (LCT) #10-9-56 well pad, its access and pipeline.

REFERENCES CITED

Childs, O.E.

1950 Geologic history of the Uinta Basin, Utah Geological and Mineralogical Survey. Guidebook to the Geology of Utah, No. 5:49-59.

Stokes, William Lee

1986 Geology of Utah. Contributions by Utah Museum of Natural History, and the Utah Geological and Mineral Survey Department of Natural Resources. Utah Museum of Natural History, Occasional Papers, Number 6.

Thornbury, William D.

1965 Regional Geomorphology of the United States. John Wiley & Sons, Inc.

Truesdale, James A., Kathleen E. Hiatt, and Clifford Duncan

1995 Cultural Resource Inventory of the Proposed Ouray Gravel Pit Location, Uintah-Ouray Ute Reservation, Uintah County, Utah. Report prepared for U & W Construction, Ft. Duchesne, Utah by AIA, Laramie, Wyoming.

70 1017

RIGHT-OF-WAY LEASE AND EASEMENT AGREEMENT  
FOR WELL SITES ACCESS ROAD AND PIPELINES  
DWR EASEMENT NUMBER DUC 0610 EA072

A498 Pg 757  
MAR-2007 9:46AM

RECEIVED  
MAR 12 2007  
By \_\_\_\_\_

RECEIVED  
CAROLYN MASON, Recorder  
DUCESNE COUNTY CORPORATION  
JAN 24 2007

THIS RIGHT-OF-WAY AGREEMENT AND EASEMENT is between The Utah Division of Wildlife Resources who's address is 1594 West North Temple, Suite 2110, Salt Lake City, Utah 84114-6301 (GRANTOR), and Berry Petroleum Company who's address is 950 17<sup>th</sup> Street, Suite 2400, Denver Colorado, 80202 ("GRANTEE").

WHEREAS, the GRANTOR owns certain real property known as the Indian Canyon Wildlife Management Area (the "Property") located in Duchesne County, in Northeastern Utah; and

WHEREAS, GRANTEE is desirous of obtaining a right-of-way easement on the Property for the purpose of installing three (3) well sites, a natural gas transportation pipeline and associated access roads ("FACILITIES"), referred to herein as "the Project"; and,

WHEREAS, GRANTOR and GRANTEE are collectively referred to herein as "the Parties;" and

WHEREAS, the Parties desire to enter into this Right-of-Way Agreement and Easement ("the Agreement") in anticipation of GRANTOR granting to GRANTEE an easement and right-of-way ("Easement") for the Project over GRANTOR lands.

NOW THEREFORE, in exchange for mutual consideration, as described below, and other good and valuable consideration, the Parties agree as follows:

A. Easement Location and Description. Location and brief legal descriptions of the Right-of-Way Easement for the Project are listed on the following table.

EXH	SUBDIVISION	S. T. R.	FACILITY	DISTANCE
A-7	S ½	14, T4S, R6W	Pipeline/Road	2,999.63'/181.796rds/2.066 ac.
A-6	W ½	27, T4S, R6W	Pipeline/Road	Included with Sec. 3
A-6	W ½	34, T4S, R6W	Pipeline Road	Included with Sec 3
A-4	W ½	3, T5S, R6W	Pipeline/Road	15,224.37'/922.689rds/10.485 ac.
A-2	SE ½ SW1/4	3, T5S, R6W	Pipeline Road/Wells	563.47'/34.15rds/ 0.388 ac.
A-1	NW ¼	10, T5S, R6W	Pipeline/Road	11,476.36'/695.54 rds/7.904 ac
A, A-5	E 1/2, SW ¼	9, T5S, R6W	Pipeline/Road	Above Inc Sec 10 and pt of sec.3
A-3	N ½	11, T5S, R6W	Pipeline/Road/Well	1,114.68'/67.56rds/0.768 ac.

TOTAL FEET = 31,378.51    TOTAL RODS = 1901.735    TOTAL ACRES = 21.611

1. Descriptions of Facilities: The Grantee shall have a 50 foot wide construction right-of-way which will be reduced to a 30-foot wide permanent right-of-way along and being 15 feet on either side of a center line 31,378.51, feet in length, in addition there are three well sites, The Facilities including Roads, Pipelines and Well Sites are located in Duchesne County, Utah, shown and more particularly described on the attached Exhibits A, A-1, A-2, A-3, A-4, A-5, A-6, A-7 ,

B. Terms and Conditions. The GRANTOR grants an Easement over and across the above described lands to the GRANTEE subject to the following terms and conditions and conditions contained within Exhibit C 'MULTI POINT SURFACE USE & OPERATIONS PLAN' attached:

1. Project Description. This Easement is for the purpose of laying a natural gas pipeline on the surface, along side an access road for the purpose of producing and developing natural gas wells from three locations and transporting natural gas from existing oil and gas wells from the construction of three well sites, as well as from the new well sites granted by this document.
2. Ingress and Egress. The Easement includes reasonable right of continued ingress and egress over and upon the Project for the purposes of construction, installation, operations and maintenance.
3. Minimizing Surface Disturbance. Excavation, construction, installation, and maintenance operations contemplated hereby are to be carried out in a manner to insure minimum disturbance to the Property within and adjacent to the Easement, further,
4. Winter Activities. Activities relating to the construction, installation, operation and maintenance of the Pipeline and Road and any associated facilities may not be conducted during the period of December 1<sup>st</sup> through April 15<sup>th</sup> of any year, without express written consent of the Appropriate Regional Manager, Grantee will suspend all construction operations during the general Rifle Deer Hunt from two hours before sunset until two hours after sunrise.
5. Project Area Restoration. Immediately following construction and installation of the Project all disturbed lands not required for continuous use will be graded and restored to original conditions. All existing fences, gates and other structures that may have been damaged, or may be damaged during the term of the Easement, will be restored to original or better condition than before the damage occurred.
6. Noxious Weeds. According to state law, GRANTOR is mandated to control noxious weeds and their spread. GRANTEE is required to wash all equipment and vehicles to reduce the possibility of off-site introductions of undesirable plant species prior to entering GRANTOR property. Further, GRANTEE will assume the cost of chemical, labor, and all other measures needed to prevent and control the spread of noxious weeds along the project route and on and around the drilling pad throughout the life of the Easement. In the event project activities result in noxious weed problems after this Easement is terminated, GRANTEE will continue to be responsible for the costs of controlling said noxious weeds until GRANTOR is satisfied with the results, and that GRANTOR has released GRANTEE from further noxious weed control obligations. Obtaining approved procedures and required permits to control the noxious weeds will be the responsibility of GRANTEE.

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7. Re-vegetation. GRANTEE will re-establish a successful vegetation cover by seeding all disturbed areas, not required for continuous use or operations, with a seed mixture and density of distribution specified by GRANTOR. The seed mixture will consist of shrubs, forbs and grasses, similar in nature to the pre-existing vegetation surrounding the disturbed site. GRANTEE will not be excused from this obligation until GRANTOR has inspected the site and determined that the re-vegetation is successful.

8. Floods or Fire. GRANTOR assumes no responsibility or liability and is indemnified by GRANTEE for damages and losses to the Easement or any GRANTEE facilities as a result of a natural flood event or a wild range fire. However, GRANTEE shall bear full cost and responsibility for flood and erosion damage that is proximately caused by the Easement development. Further, GRANTEE shall bear full cost and responsibility for wild fires that are the result of the project.

9. Project Costs. All costs for the Project, including surveys, cultural and archeological surveys, threatened and endangered species surveys, which may be required prior to construction and any re-vegetation of disturbed sites and restoration of all structures, will be borne by GRANTEE.

10. Operation & Maintenance Responsibility. GRANTEE is responsible for operating and maintaining the Project.

11. Compliance with Existing Laws. GRANTEE agrees to comply with all associated U.S. Environmental Protection Agency (EPA) and Utah Division of Oil Gas and Mining (DOG M) rules, regulations, and any other laws, rules or policies governing the construction, operation, and maintenance of the Project.

12. Indemnification. GRANTEE agrees to protect, indemnify, save and hold harmless GRANTOR, its agents and employees, from and against all claims, demands, damages, and causes of action of every kind or character on account of bodily injuries, death, or damage to property arising because of, for, out of, or in any way connected with the performance of GRANTEE under this Agreement, except where such injury, death, or damage has resulted from the sole negligence of GRANTOR without negligence or willful act on the part of GRANTEE, its agents, successors, employees, or subcontractors. GRANTEE shall defend all suits brought upon such claims and pay all costs and expenses incidental thereto, but GRANTOR shall have the right, at its option, to participate in the defense incidental thereto without relieving GRANTEE of any obligation hereunder.

13. Easement Term. This Easement shall be for a term of 30 years beginning on the date when all signatures have been affixed. The Easement may be renewed or re-negotiated at any time 6-months prior to its expiration. Such application for renewal or re-negotiation shall be subject to GRANTOR's policy in force at that time.

14. Cancellation. The Easement may be canceled by GRANTOR for failure of GRANTEE to abide by any of the terms and conditions set forth herein, after GRANTEE has been given notice of such default, and if GRANTEE fails to correct the default within 30 days after receipt of the notice. The Easement may be canceled by GRANTEE upon 60 days notice to GRANTOR.

15. Removals and Recovery. Should the Pipeline be abandoned by Grantee or its successors (abandonment shall be when the facilities have been unused for their primary purpose for a period of 5 Years) or is no longer in use by GRANTEE or its successors, GRANTEE or its successors will remove from the Property all surface equipment and facilities associated with the Pipeline

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and recover all impacted land and its vegetative cover in accordance with established laws, procedures, policies, guidelines and as set forth in the above terms and conditions B.4, B.5, & B.6 above. Said removal and restoration shall be completed within 9 months from the time GRANTEE has determined the Pipeline will no longer be used. Grantee shall make a diligent and good-faith effort to clean the Pipeline using standard industry practices and technologies available at the time the Pipeline is no longer used to transport natural gas in order to minimize, as much as reasonably practical, environmental contaminants left on or in the Pipeline. At such time as the Project is no longer operational and has been restored to its natural condition, this Easement as to the Project shall be deemed terminated without cost, loss, or reimbursement by the GRANTOR to GRANTEE for the Easement or any part/portion thereof.

16. Transfer of Easement Privileges and Terms. The privileges, rights, terms and conditions of this Agreement shall apply to any party, its heirs and assigns to the above described facilities from GRANTEE.

17. Bonding. Grantee's obligations under this Agreement shall be ensured under a Field Reclamation Bond ("Bond"), made payable to the Utah Division of Wildlife Resources for the amount of \$100,000 (One-Hundred Thousand Dollars), the required bond issued by RLI Insurance Company, 925 north Lindbergh Dr. Peoria, IL 01015 said bond identified as RLB 0009627 and attached hereto as Exhibit D. Bond liability shall remain in full force and effect until liability thereunder is released by GRANTOR.

The Bond value may be reviewed at any time and shall be reviewed at least every ten years during the term of this agreement to determine if adjustments are required for inflation or for the scope of Grantee's cumulative obligations ensured thereby. In the event it is determined that an adjustment is required GRANTOR shall provide written notification to GRANTEE, or its heir's or assigns. Should the use of the bonding funds be required for clean up or restoration, Grantee or its successors shall be responsible for any and all funds required for completion of restoration or repair in excess of the bonded amount. The acceptance of restoration and/or repair of GRANTOR Lands shall be at the sole discretion of the GRANTOR.

C. Right-of-Way Easement Fee.

The Fee for this Right-of-Way and Easement Agreement is **\$34,231.23** Payment is due when GRANTEE returns this Agreement to GRANTOR appropriately signed and notarized. The payment was computed as follows:

Grantee Petroleum Company supplied an appraisal of lands in the area, prepared by William R. Lang, MAI, which meets Uniform Appraisal Standards for Federal Land Acquisitions. Based upon this appraisal, the market value of the subject easement is 1,945.00 (computed at \$100/acre for 21.611 acres less 10%). The value of the easement calculated according to GRANTOR's fee schedule is \$ 34,231.23 (computed at \$18/rod for 1901.735 rods).

The higher of the two values is \$34,231.23 of which 75% (\$25,673.42) will be credited to W-113-L as program income. No costs are to be incurred by the Utah Division of Wildlife Resources as a result of this amendment.

All payments are final. There shall be no pro rata reimbursement of any payments

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hereunder should the Project outlined under this Agreement terminate before its term has lapsed.

IN WITNESS WHEREOF, Grantee Petroleum Company accepts the terms and conditions of this Agreement and Easement, on the 30 day of January 2007.

**GRANTEE:  
BERRY PETROLEUM COMPANY**

Eddy Courtright  
By:

**GRANTOR:  
UTAH DIVISION OF WILDLIFE RESOURCES**

John Blod  
By:  
John Blod 2/13/07  
Financial Manager, Division of Wildlife Resources

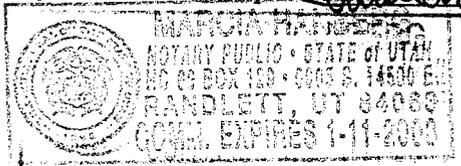
**ACKNOWLEDGEMENT**

STATE OF Utah )  
COUNTY OF Duchesne ) ss:

The foregoing instrument was acknowledged before me this 30 day of January 2007 by Eddy Courtright who being known to me or proved to me that he is authorized by Berry Petroleum Company, a Delaware Corporation as a Corporate Officer, or it's Attorney in Fact as designated by the Board of Directors to sign the within document on behalf of Grantee Petroleum Company.

Witness my hand and official seal.

My commission expires January 11, 2008



Marcia Huber  
Notary Public  
Residing at: Randlett

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Ent 393166 Bl A0498 Pg 0762

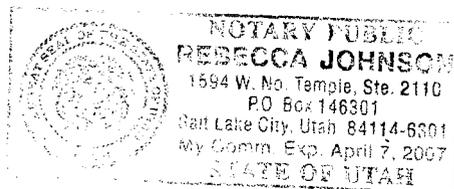
**ACKNOWLEDGEMENT**

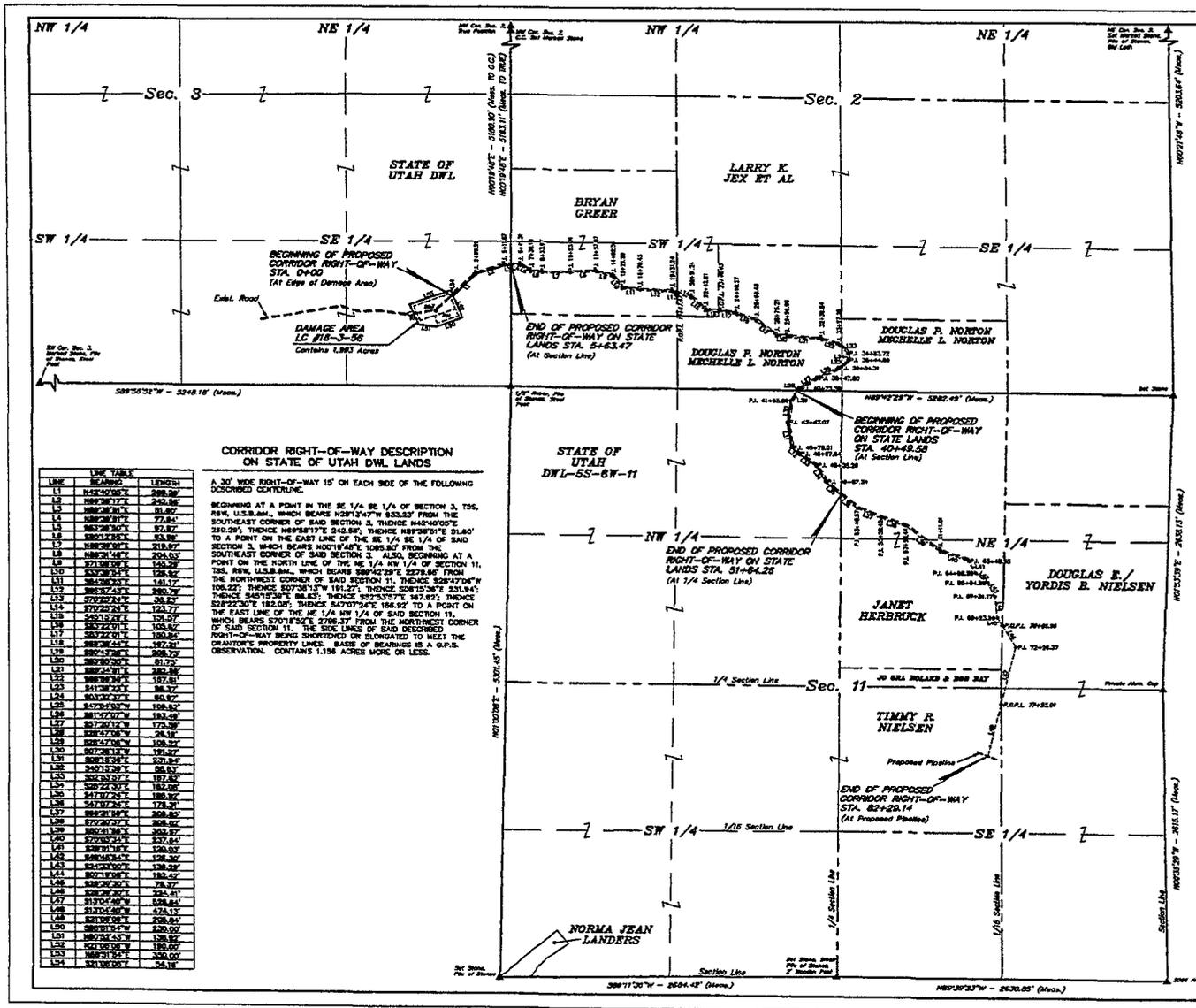
STATE OF UTAH )  
 ) SS  
COUNTY OF SALT LAKE )

On this 26<sup>th</sup> day of February, 2007, personally appeared before me Alan Clark who being first duly sworn said that he is the Director of the Division of Wildlife Resources, for the State of Utah, that the foregoing instrument was executed pursuant to authority granted him by The Wildlife Resources Code of Utah (23-21-1), and he acknowledged to me that he executed the same.

Rebecca Johnson  
Notary Public in and for the State of Utah

My commission expires April 7, 2007







70  
19 17CORRIDOR RIGHT-OF-WAY  
DESCRIPTION ON STATE DWL LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT ON SOUTH LINE OF THE SW 1/4 SE 1/4 OF SECTION 9, T5S, R6W, U.S.B.&M., WHICH BEARS S89°12'09"W 2374.12' FROM THE SOUTHEAST CORNER OF SAID SECTION 9, THENCE N32°46'12"W 9.55'; THENCE N67°11'19"W 116.00'; THENCE N79°01'47"W 92.13'; THENCE S89°09'53"W 47.85'; THENCE S38°44'52"W 95.08' TO A POINT ON THE SOUTH LINE OF THE SE 1/4 SW 1/4 OF SAID SECTION 9, WHICH BEARS S89°12'09"W 2684.05' FROM THE SOUTHEAST CORNER OF SAID SECTION 9. ALSO, BEGINNING AT A POINT ON THE SOUTH LINE OF THE SE 1/4 SW 1/4 OF SAID SECTION 9, WHICH BEARS S89°12'09"W 2849.09' FROM THE SOUTHEAST CORNER OF SAID SECTION 9, THENCE N66°42'04"W 48.11'; THENCE N75°42'28"E 118.88'; THENCE N42°51'22"E 54.48'; THENCE N27°22'58"E 87.75'; THENCE N35°42'04"E 95.19'; THENCE N47°50'48"E 93.00'; THENCE N18°58'13"E 101.37'; THENCE N06°27'26"W 200.25'; THENCE N33°01'10"E 360.00'; THENCE N46°52'39"E 629.07'; THENCE N35°27'59"E 173.16'; THENCE N46°37'37"E 369.65'; THENCE N26°13'27"E 200.64'; THENCE N39°07'08"E 331.36'; THENCE N20°43'15"E 354.72'; THENCE N46°19'49"E 129.31'; THENCE N20°35'02"E 104.51'; THENCE N48°47'42"E 224.15'; THENCE N39°35'33"E 306.02'; THENCE N69°49'28"E 182.36'; THENCE N24°52'43"E 142.34'; THENCE N05°37'48"E 299.80'; THENCE N10°35'26"W 168.22'; THENCE N37°54'05"E 252.03'; THENCE N12°14'09"E 532.26'; THENCE N58°45'34"E 195.48' TO A POINT ON THE EAST LINE OF THE NE 1/4 NE 1/4 OF SAID SECTION 9, WHICH BEARS S00°30'57"W 743.71' FROM THE NORTHEAST CORNER OF SAID SECTION 9, THENCE N59°12'43"E 239.98'; THENCE N47°01'36"E 144.17'; THENCE N39°41'05"E 293.27'; THENCE N30°30'28"E 285.97'; THENCE N36°10'13"E 63.32' TO A POINT ON THE NORTH LINE OF THE NW 1/4 NW 1/4 OF SECTION 10, T5S, R6W, U.S.B.&M., WHICH BEARS N89°56'52"E 674.76' FROM THE NORTHWEST CORNER OF SAID SECTION 10, THENCE N36°10'13"E 181.14'; THENCE N18°10'06"E 134.79'; THENCE S38°43'59"E 235.48'; THENCE S53°20'03"E 151.10' TO A POINT ON THE SOUTH LINE OF THE SW 1/4 SW 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS N89°56'52"E 1092.23' FROM THE SOUTHWEST CORNER OF SAID SECTION 3, THENCE S53°20'03"E 77.27'; THENCE S49°53'24"E 187.26'; THENCE N84°44'19"E 118.32'; THENCE N64°44'08"E 257.83'; THENCE N68°12'05"E 125.25' TO A POINT ON THE NORTH LINE OF THE NE 1/4 NW 1/4 OF SAID SECTION 10, WHICH BEARS N89°56'52"E 1764.72' FROM THE NORTHWEST CORNER OF SAID SECTION 10, THENCE N68°12'05"E 64.76'; THENCE N59°22'41"E 312.30'; THENCE N54°20'44"E 150.85'; THENCE N62°49'27"E 421.18'; THENCE N78°29'52"E 555.41'; THENCE N78°56'29"E 775.04'; THENCE S83°03'47"E 316.26'; THENCE S81°31'53"E 187.59'; THENCE S86°57'47"E 32.75'; THENCE N84°23'48"E 50.35' TO A POINT IN THE SE 1/4 SE 1/4 OF SAID SECTION 3, WHICH BEARS N49°31'51"W 1012.30' FROM THE SOUTHEAST CORNER OF SAID SECTION 3. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 7.904 ACRES MORE OR LESS.

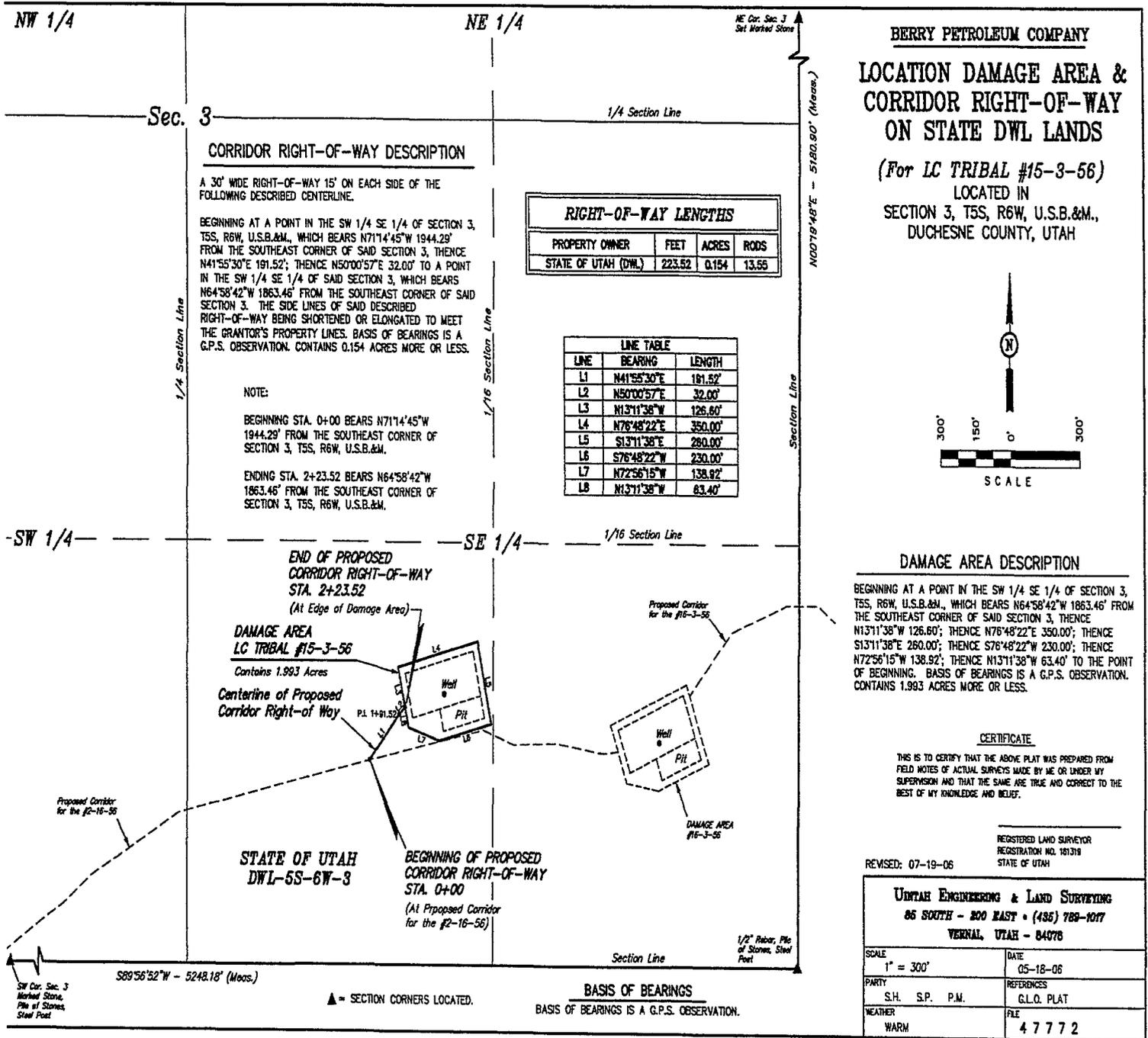


EXHIBIT A-3

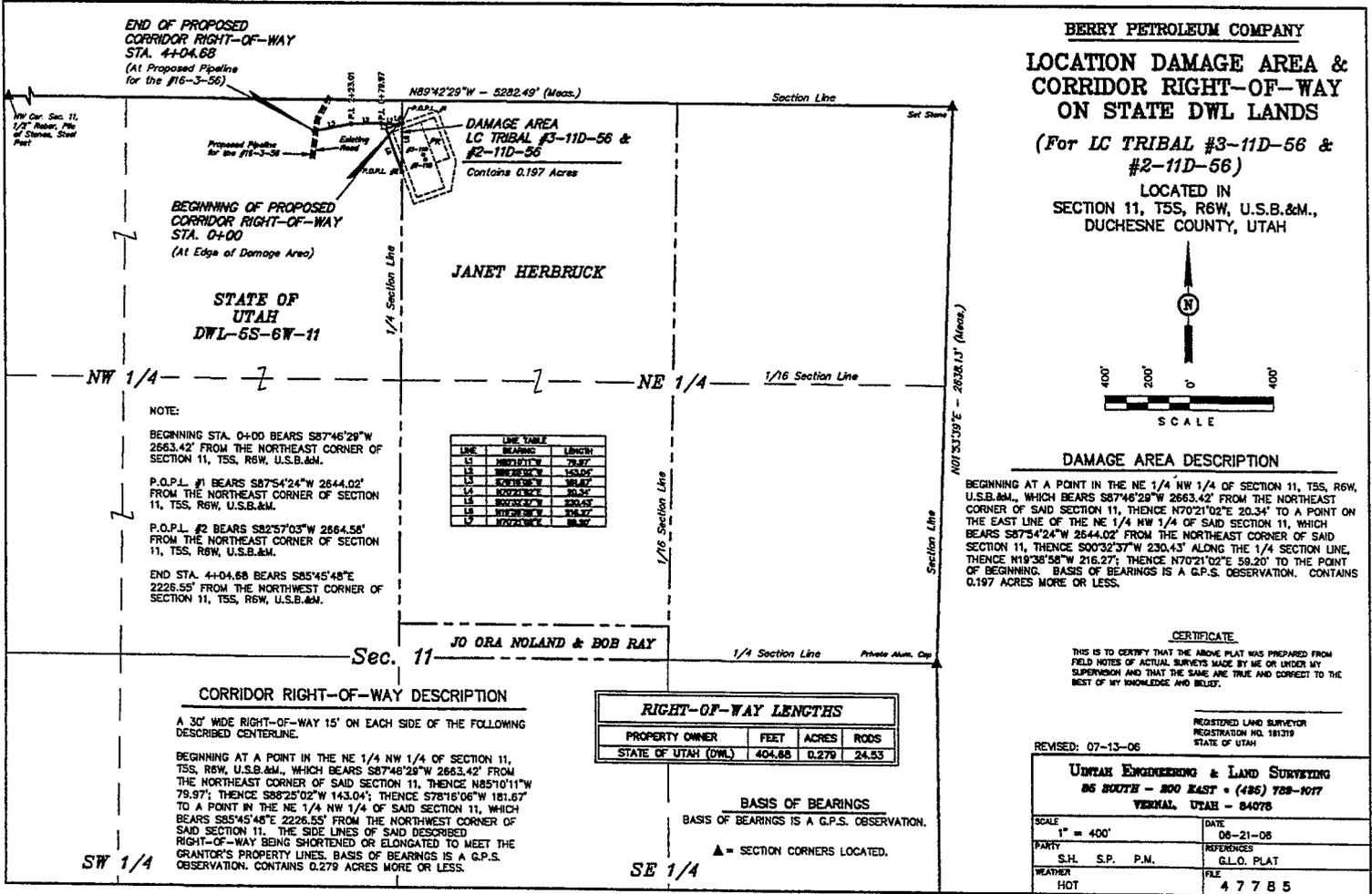


EXHIBIT A-4

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Ent 393166 Bk A0498 Pg 875817

DAMAGE AREA DESCRIPTION

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS S42°00'10"W 2409.22' FROM THE NORTHEAST CORNER OF SAID SECTION 3, THENCE S8°01'02"E 103.11'; THENCE S29°49'34"W 350.00'; THENCE N8°01'02"E 260.00'; THENCE N29°49'34"E 230.00'; THENCE N6°04'57"E 138.92'; THENCE S8°01'02"E 86.89' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.993 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS

PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH (ROAD)	138.72	0.096	8.41
STATE OF UTAH (PIPELINE)	4238.76	2.919	258.89

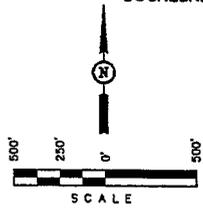
BERRY PETROLEUM COMPANY

LOCATION DAMAGE AREA, ROAD & PIPELINE RIGHT-OF-WAY ON STATE DWL LANDS

(For LC TRIBAL #7-3-56)

LOCATED IN SECTION 3, T5S, R6W, U.S.B.&M., DUCHESNE COUNTY, UTAH

LINE	BEARING	LENGTH
L1	S31°18'41"E	52.89'
L2	S26°24'15"E	85.83'
L3	S8°01'02"E	103.11'
L4	S29°49'34"W	350.00'
L5	N8°01'02"E	260.00'
L6	N29°49'34"E	230.00'
L7	N6°04'57"E	138.92'
L8	S8°01'02"E	86.89'
L9	S57°51'48"W	54.82'
L10	S77°29'57"W	144.39'
L11	S25°10'32"W	130.41'
L12	S85°03'18"W	100.81'
L13	S73°38'24"W	377.20'
L14	S43°33'01"W	214.52'
L15	S49°59'06"W	581.38'
L16	S33°19'04"W	206.97'
L17	S16°51'54"E	97.06'
L18	S38°48'00"E	200.37'
L19	S25°37'59"W	131.33'
L20	S47°07'31"W	210.48'
L21	S49°56'15"W	208.52'
L22	S39°45'12"W	177.03'
L23	S51°03'08"W	413.04'
L24	S29°00'02"W	202.63'
L25	S44°03'41"W	457.59'
L26	S28°45'24"W	294.27'
L27	S18°10'06"W	26.29'



ROAD RIGHT-OF-WAY DESCRIPTION ON STATE OF UTAH (DWL) LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS S44°48'32"W 2339.50' FROM THE NORTHEAST CORNER OF SAID SECTION 3, THENCE S31°19'41"E 52.89'; THENCE S08°04'15"E 85.83' TO A POINT IN THE SW 1/4 NE 1/4 OF SAID SECTION 3, WHICH BEARS S42°00'10"W 2409.22' FROM THE NORTHEAST CORNER OF SAID SECTION 3. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.096 ACRES MORE OR LESS.

PIPELINE RIGHT-OF-WAY DESCRIPTION ON STATE OF UTAH (DWL) LANDS

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE SW 1/4 NE 1/4 OF SECTION 3, T5S, R6W, U.S.B.&M., WHICH BEARS S41°11'06"W 2759.06' FROM THE NORTHEAST CORNER OF SAID SECTION 3, THENCE S57°51'48"W 54.82'; THENCE S77°29'57"W 144.39'; THENCE S25°10'32"W 130.41'; THENCE S85°03'18"W 100.81'; THENCE S73°38'24"W 377.20'; THENCE S43°33'01"W 214.52'; THENCE S49°59'06"W 581.38'; THENCE S33°19'04"W 206.97'; THENCE S16°51'54"E 97.06'; THENCE S38°48'00"E 200.37'; THENCE S25°37'59"W 131.33'; THENCE S47°07'31"W 210.48'; THENCE S49°56'15"W 208.52'; THENCE S39°45'12"W 177.03'; THENCE S51°03'08"W 413.04'; THENCE S29°00'02"W 202.63'; THENCE S44°03'41"W 457.59'; THENCE S28°45'24"W 294.27'; THENCE S18°10'06"W 26.29' TO A POINT IN THE SW 1/4 SW 1/4 OF SAID SECTION 3, WHICH BEARS N73°36'33"E 864.45' FROM THE SOUTHWEST CORNER OF SAID SECTION 3. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 2.919 ACRES MORE OR LESS.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION. ▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT 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.

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 181319  
STATE OF UTAH

UNITEK ENGINEERING & LAND SURVEYING  
85 SOUTH - 800 EAST • (486) 788-1017  
VERNAL, UTAH - 84076

SCALE	1" = 500'	DATE	07-13-06
PARTY	S.H. S.P. P.M.	REFERENCES	G.L.O. PLAT
WEATHER	WARM	FILE	4 7 8 0 6

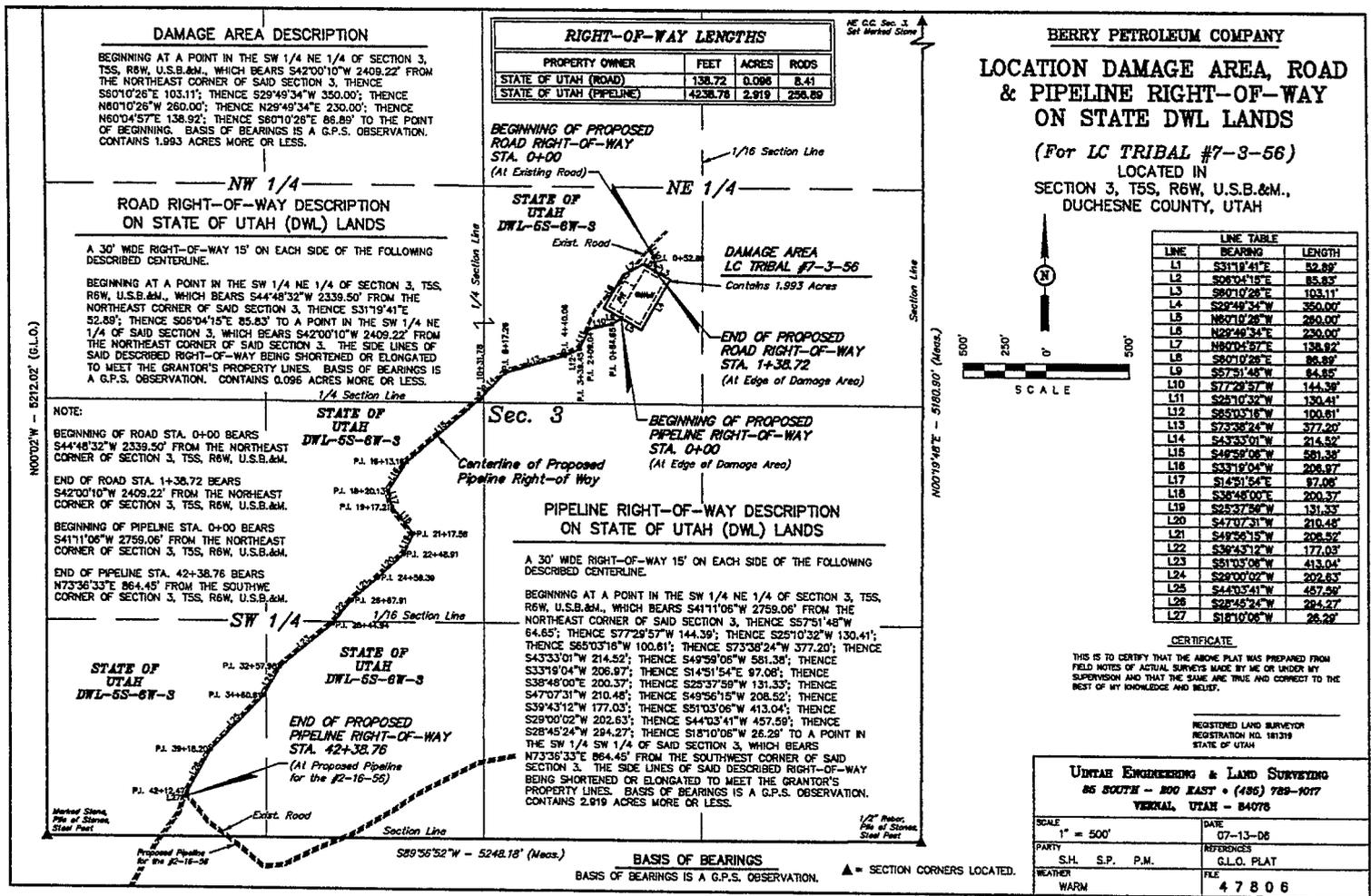


EXHIBIT A-5

Ent 393166 Bk A04980, 0769 17

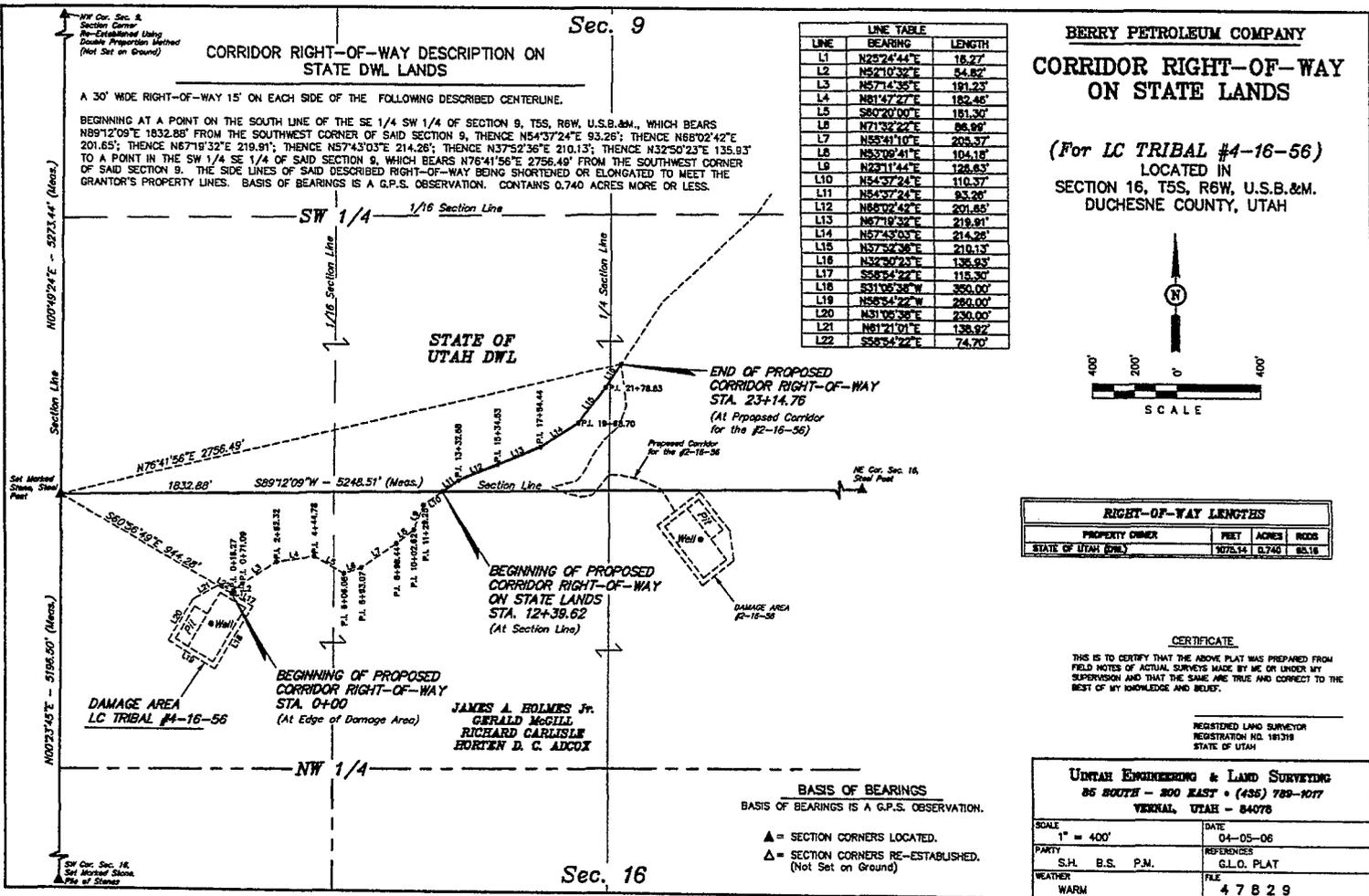
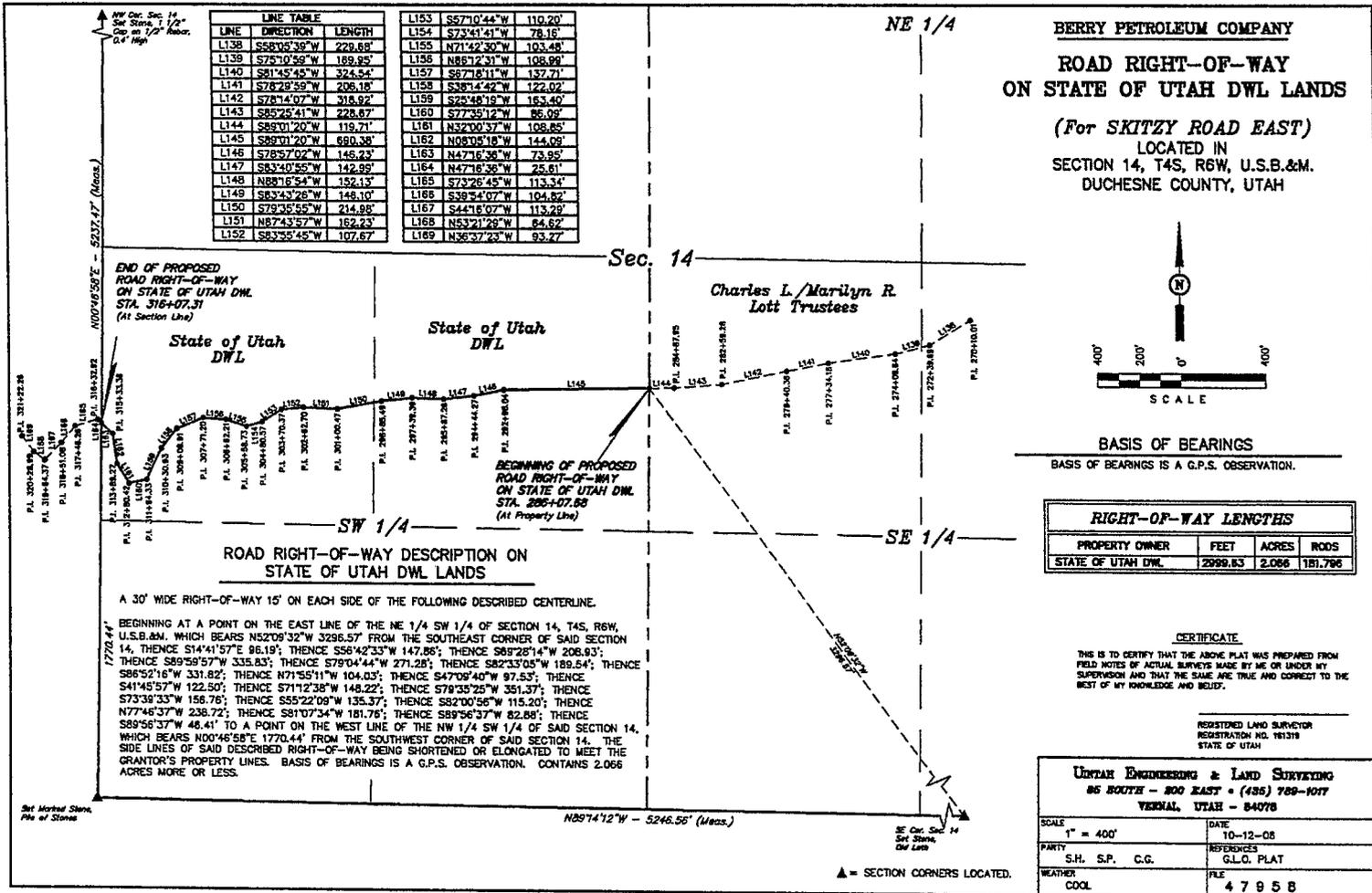




EXHIBIT A-7

Ent 393166 BK 00498 Pg 070 17



RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
STATE OF UTAH	52.33'	0.036	3.172

NE Cor Sec.  
Marked Stone  
Pile of Stones,  
Steel Post

**BERRY PETROLEUM COMPANY**  
**LOCATION DAMAGE AREA & CORRIDOR RIGHT-OF-WAY ON STATE OF UTAH LANDS**

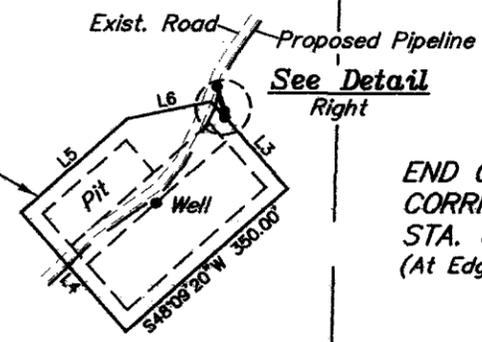
(For LC TRIBAL #10-9D-56)  
LOCATED IN  
SECTION 9, T5S, R6W, U.S.B.&M.  
DUCHESNE COUNTY, UTAH

1/4 Section Line Sec. 9

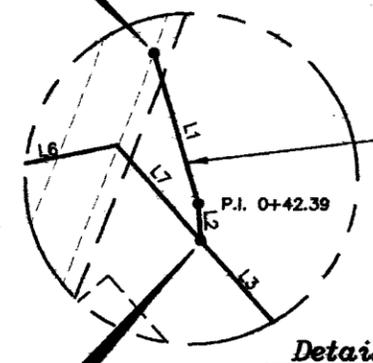
1/16 Section Line

DWL-5S-6W-9  
STATE OF UTAH

DAMAGE AREA  
LC TRIBAL #10-9D-56  
Contains 1.993 Acres



BEGINNING OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 0+00  
(At Existing Road)



Centerline of Proposed  
Corridor Right-of Way

Detail  
No Scale

END OF PROPOSED  
CORRIDOR RIGHT-OF-WAY  
STA. 0+52.33  
(At Edge of Damage Area)

1/16 Section Line

SE 1/4

**CORRIDOR RIGHT-OF-WAY DESCRIPTION**

A 30' WDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 9, T5S, R6W, U.S.B.&M. WHICH BEARS N39°44'19"W 2328.60' FROM THE SOUTHEAST CORNER OF SAID SECTION 9, THENCE S16°57'14"E 42.39'; THENCE S04°13'24"E 9.94' TO A POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 9, WHICH BEARS N40°17'45"W 2281.53' FROM THE SOUTHEAST CORNER OF SAID SECTION 9. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.036 ACRES MORE OR LESS.

NOTE:  
BEGINNING STA. 0+00 BEARS N39°44'19"W 2328.60' FROM THE SOUTHEAST CORNER OF SECTION 9, T5S, R6W, U.S.B.&M.  
ENDING STA. 0+52.33 BEARS N40°17'45"W 2281.53' FROM THE SOUTHEAST CORNER OF SECTION 9, T5S, R6W, U.S.B.&M.

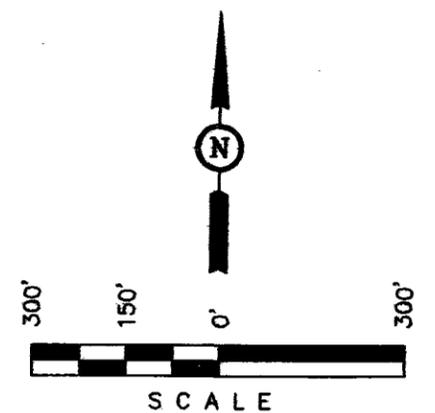
LINE TABLE		
LINE	BEARING	LENGTH
L1	S16°57'14"E	42.39'
L2	S04°13'24"E	9.94'
L3	S41°50'40"E	155.66'
L4	N41°50'40"W	260.00'
L5	N48°09'20"E	230.00'
L6	N78°24'43"E	138.92'
L7	S41°50'40"E	34.34'

**BASIS OF BEARINGS**  
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

N00°30'57"E - 5247.39' (Meas.)

Section Line

Steel Post

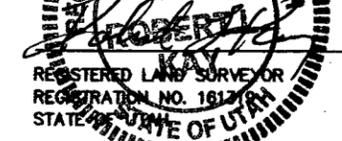


**DAMAGE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 9, T5S, R6W, U.S.B.&M. WHICH BEARS N40°17'45"W 2281.53' FROM THE SOUTHEAST CORNER OF SAID SECTION 9, THENCE S41°50'40"E 155.66'; THENCE S48°09'20"W 350.00'; THENCE N41°50'40"W 260.00'; THENCE N48°09'20"E 230.00'; THENCE N78°24'43"E 138.92'; THENCE S41°50'40"E 34.34' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 1.993 ACRES MORE OR LESS.

**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO. 181319



Revised: 04-15-07 D.R.B.

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH - 200 EAST • (435) 789-1017 VERNAL, UTAH - 84078			
SCALE 1" = 300'	DATE 11-11-06	REFERENCES G.L.O. PLAT	
PARTY P.J. J.W. D.R.B.	FILE 4 2 8 2 7		
WEATHER COLD			

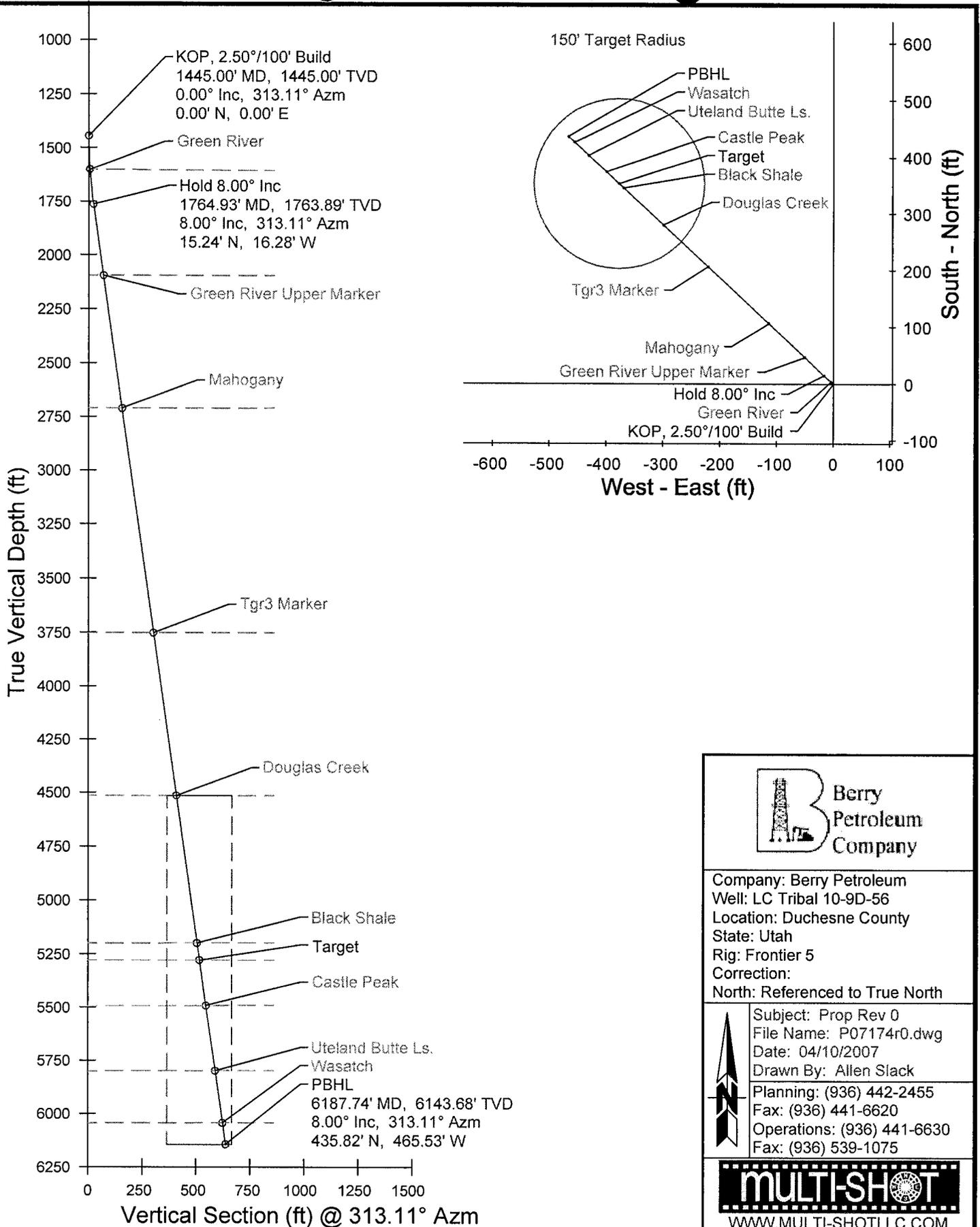
SW Cor Sec. 9  
Set Marked Stone,  
Steel Post

S89°12'09"W - 5248.50' (Meas.)

▲ = SECTION CORNERS LOCATED.

Section Line

1/4 Section Line





**Company:** Berry Petroleum  
**Well:** LC Tribal 10-9D-56  
**Location:** Duchesne County  
**State:** Utah  
**Rig:** Frontier 5  
**Correction:**  
**North:** Referenced to True North

**Subject:** Prop Rev 0  
**File Name:** P07174r0.dwg  
**Date:** 04/10/2007  
**Drawn By:** Allen Slack

**Planning:** (936) 442-2455  
**Fax:** (936) 441-6620  
**Operations:** (936) 441-6630  
**Fax:** (936) 539-1075



WWW.MULTI-SHOTLLC.COM

The customer should only rely on this document after independently verifying all paths, targets, coordinates, lease and hard lines represented. Any decisions made or wells drilled utilizing this or any other information supplied by Multi-Shot, LLC are at the sole risk and responsibility of the customer. Multi-Shot, LLC is not responsible for the accuracy of this schematic or the information contained herein.



Job Number: P07-174  
 Company: Berry Petroleum  
 Lease/Well: LC Tribal 10-9D-56  
 Location: Duchesne County  
 Rig Name: Frontier 5  
 RKB: 14'  
 G.L. or M.S.L.: 7637'

State/Country: Utah  
 Declination:  
 Grid: Referenced to True North  
 File name: F:\WELLPL~1\2007\IP07170\SIP07174\07174.SVY  
 Date/Time: 10-Apr-07 / 15:34  
 Curve Name: Prop Rev 0

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 313.11  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
<b>KOP, 2.50°/100' Build</b>									
1445.00	.00	313.11	1445.00	.00	.00	.00	.00	.00	.00
1545.00	2.50	313.11	1544.97	1.49	-1.59	2.18	2.18	313.11	2.50
<b>Green River</b>									
1602.28	3.93	313.11	1602.16	3.69	-3.94	5.39	5.39	313.11	2.50
1645.00	5.00	313.11	1644.75	5.96	-6.37	8.72	8.72	313.11	2.50
1745.00	7.50	313.11	1744.14	13.40	-14.31	19.61	19.61	313.11	2.50
<b>Hold 8.00° Inc</b>									
1764.93	8.00	313.11	1763.89	15.24	-16.28	22.29	22.29	313.11	2.50
<b>Green River Upper Marker</b>									
2099.29	8.00	313.11	2095.00	47.03	-50.24	68.82	68.82	313.11	.00
<b>Mahogany</b>									
2722.05	8.00	313.11	2711.70	106.25	-113.50	155.47	155.47	313.11	.00
<b>Tgr3 Marker</b>									
3771.98	8.00	313.11	3751.42	206.10	-220.15	301.56	301.56	313.11	.00
<b>Douglas Creek</b>									
4543.06	8.00	313.11	4515.00	279.42	-298.47	408.86	408.86	313.11	.00
<b>Black Shale</b>									
5233.96	8.00	313.11	5199.18	345.12	-368.65	504.99	504.99	313.11	.00
<b>Target</b>									
5314.57	8.00	313.11	5279.00	352.79	-376.84	516.21	516.21	313.11	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
<b>Castle Peak</b>									
5530.15	8.00	313.11	5492.48	373.29	-398.74	546.20	546.20	313.11	.00
<b>Uteland Butte Ls.</b>									
5839.16	8.00	313.11	5798.49	402.68	-430.13	589.20	589.20	313.11	.00
<b>Wasatch</b>									
6086.71	8.00	313.11	6043.63	426.22	-455.27	623.64	623.64	313.11	.00
<b>PBHL</b>									
6187.74	8.00	313.11	6143.68	435.82	-465.53	637.70	637.70	313.11	.00

# BERRY PETROLEUM COMPANY

## LC TRIBAL #10-9D-56

LOCATED IN DUCHESNE COUNTY, UTAH  
SECTION 9, T5S, R6W, U.S.B.&M.



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

**TOPOGRAPHIC** 11 07 06  
**MAP** MONTH DAY YEAR  
TAKEN BY: P.J. DRAWN BY: L.K. REVISED: 04-16-07

PHOTO



# BERRY PETROLEUM COMPANY

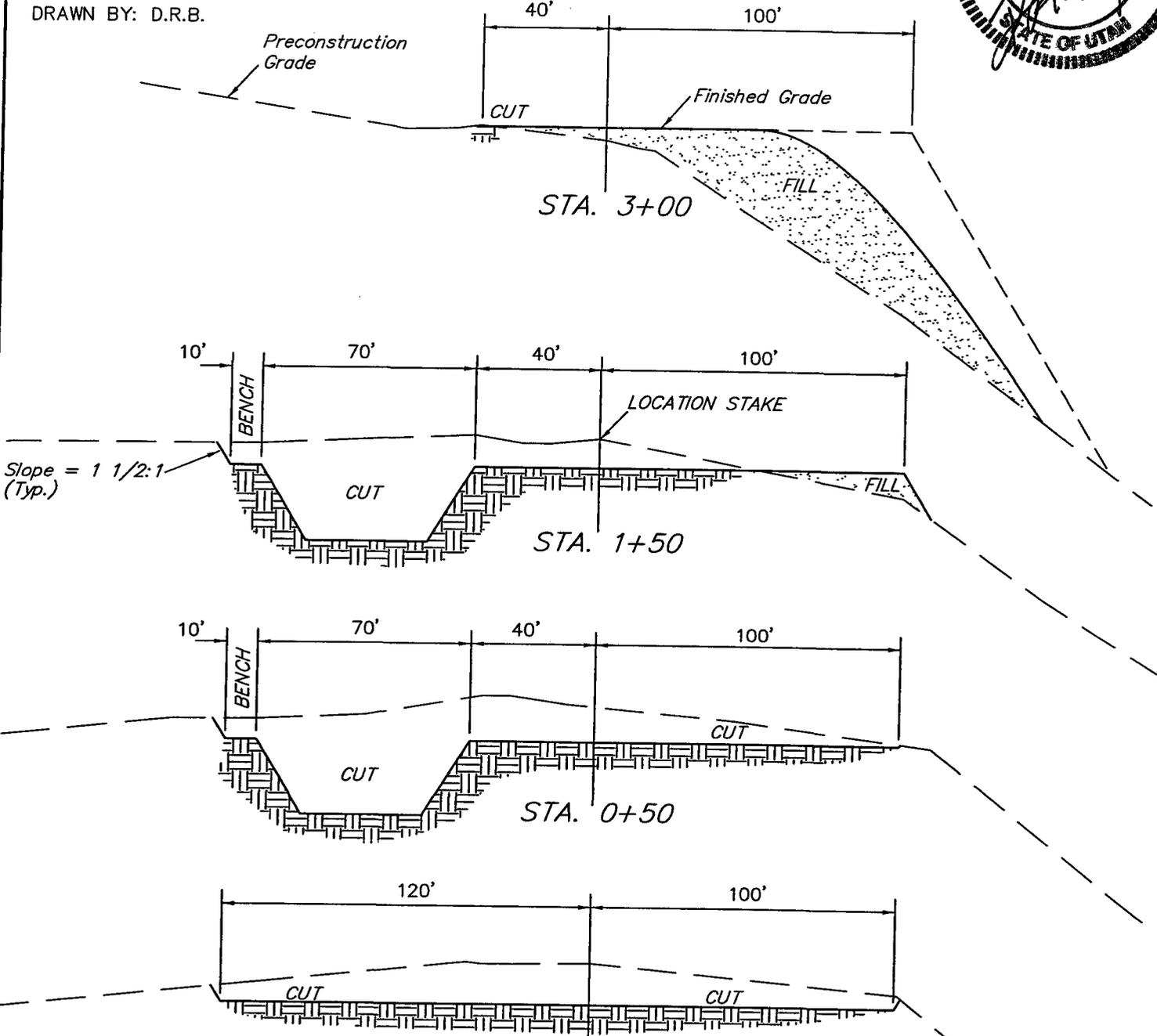
## TYPICAL CROSS SECTIONS FOR

LC TRIBAL #10-9D-56  
SECTION 9, T5S, R6W, U.S.B.&M.  
1622' FSL 1600' FEL



1" = 20'  
X-Section Scale  
1" = 50'

DATE: 11-08-06  
DRAWN BY: D.R.B.



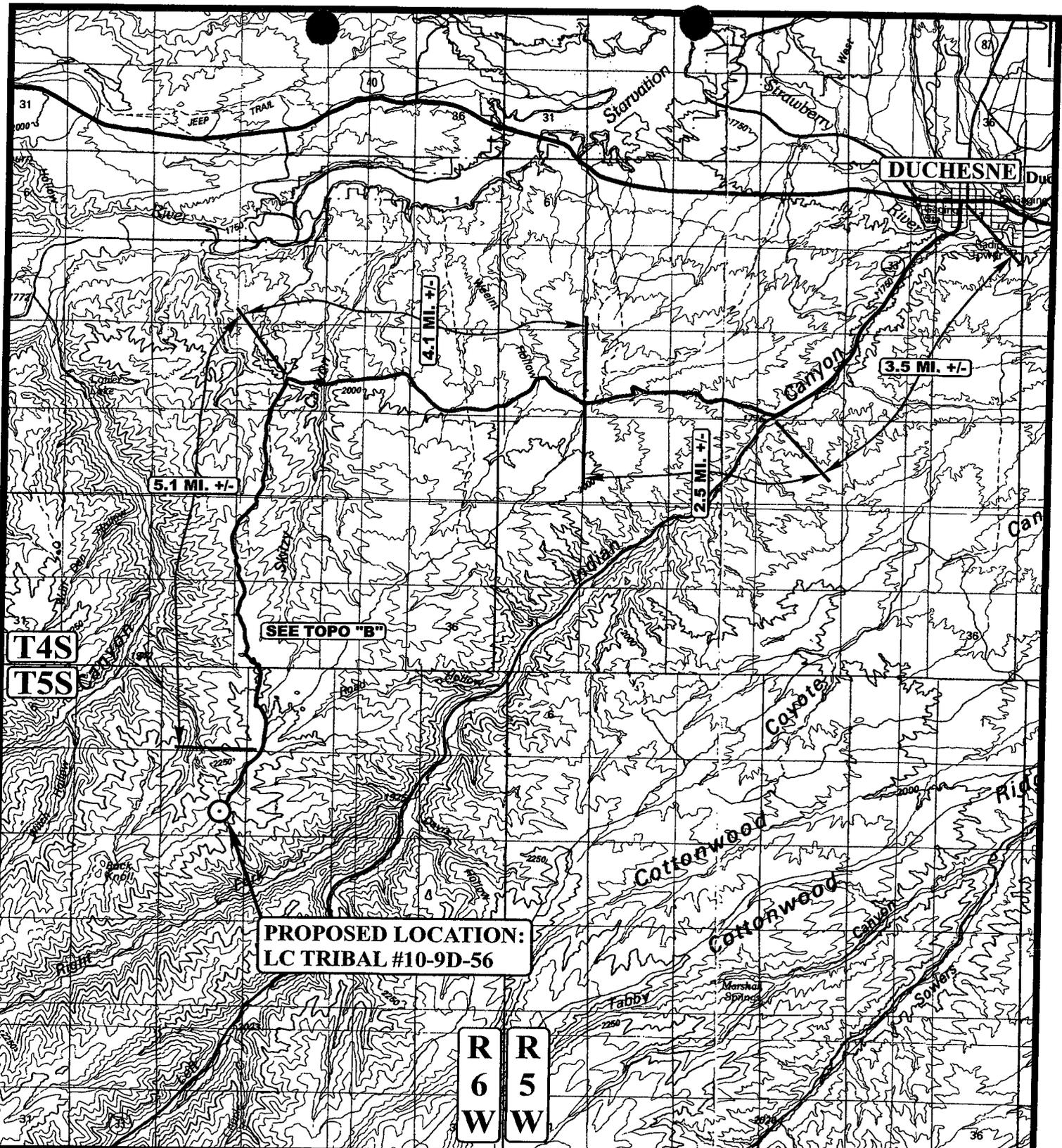
\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,350 Cu. Yds.
Remaining Location	=	7,520 Cu. Yds.
<b>TOTAL CUT</b>	=	<b>8,870 CU.YDS.</b>
<b>FILL</b>	=	<b>5,820 CU.YDS.</b>

EXCESS MATERIAL	=	3,050 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	3,050 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



**PROPOSED LOCATION:  
LC TRIBAL #10-9D-56**

**R R  
6 5  
W W**

**LEGEND:**

⊙ PROPOSED LOCATION



**BERRY PETROLEUM COMPANY**

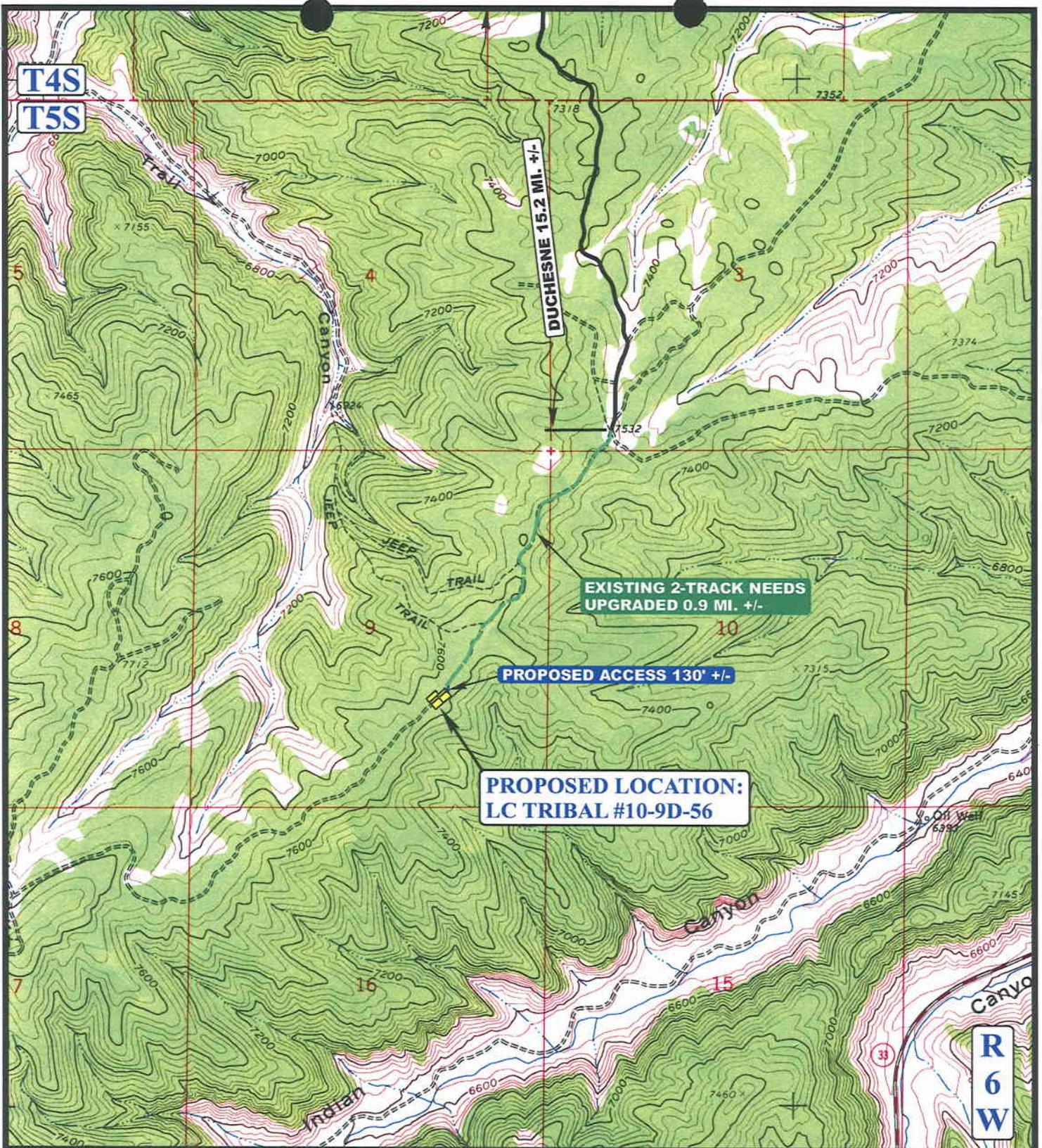
**LC TRIBAL #10-9D-56  
SECTION 9, T5S, R6W, U.S.B.&M.  
1622' FSL 1600' FEL**



**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAG (435) 789-1813

**TOPOGRAPHIC MAP**  
11 | 07 | 06  
MONTH | DAY | YEAR  
SCALE: 1:100,000 | DRAWN BY: L.K. | REVISED: 04-16-07





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED



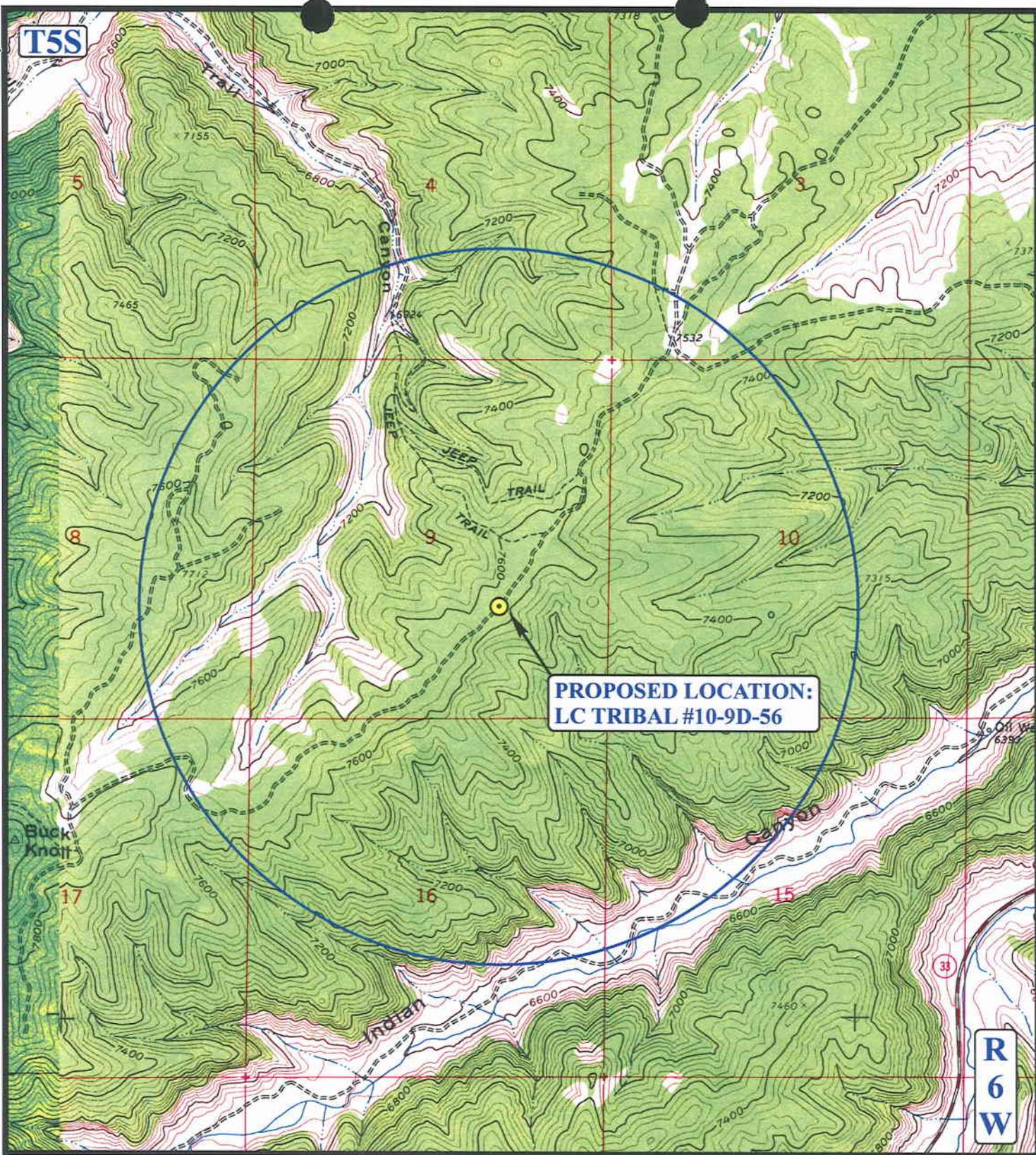
**BERRY PETROLEUM COMPANY**

LC TRIBAL #10-9D-56  
 SECTION 9, T5S, R6W, U.S.B.&M.  
 1622' FSL 1600' FEL

**UEIS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 11 07 06  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 04-16-07





**PROPOSED LOCATION:  
LC TRIBAL #10-9D-56**

**LEGEND:**

- |                   |                         |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS  | ♂ WATER WELLS           |
| ● PRODUCING WELLS | ⊕ ABANDONED WELLS       |
| ⊖ SHUT IN WELLS   | ⊙ TEMPORARILY ABANDONED |



**BERRY PETROLEUM COMPANY**

**LC TRIBAL #10-9D-56  
SECTION 9, T5S, R6W, U.S.B.&M.  
1622' FSL 1600' FEL**

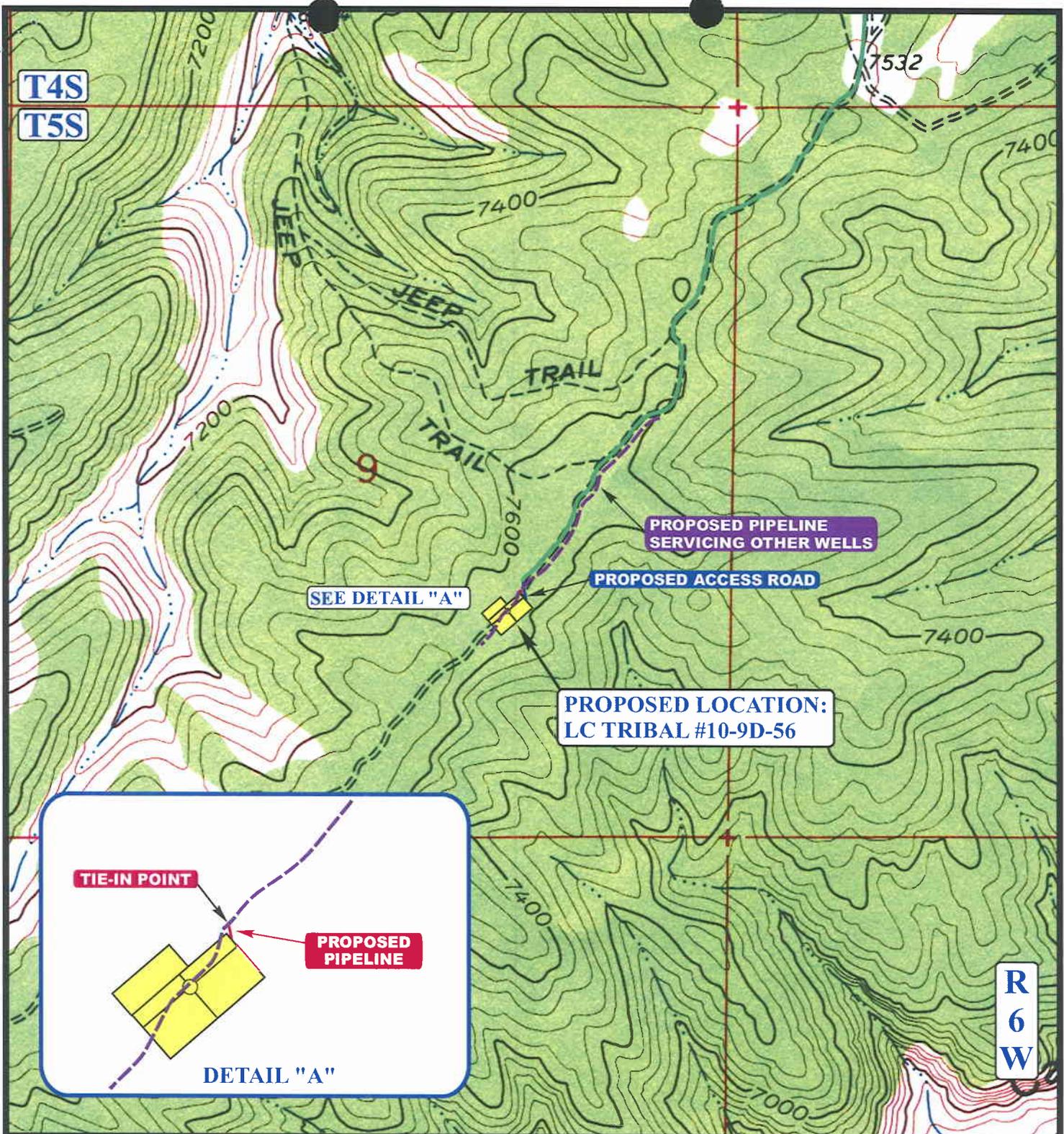


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** 11 07 06  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 04-16-07





**APPROXIMATE TOTAL PIPELINE DISTANCE = 70' +/-**

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)



**BERRY PETROLEUM COMPANY**

LC TRIBAL #10-9D-56  
 SECTION 9, T5S, R6W, U.S.B.&M.  
 1622' FSL 1600' FEL

**U E I S**  
 Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC** 11 07 06  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 04-16-07

**D**  
 TOPO

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-013-33592

WELL NAME: LC TRIBAL 10-9D-56  
 OPERATOR: BERRY PETROLEUM COMPANY ( N2480 )  
 CONTACT: SHELLY CROZIER

PHONE NUMBER: 435-722-1325

PROPOSED LOCATION:

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering		
Geology		
Surface		

NWSE 09 050S 060W  
 SURFACE: 1622 FSL 1600 FEL  
 BOTTOM: 2058 FSL 2066 FEL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.05823 LONGITUDE: -110.5604  
 UTM SURF EASTINGS: 537495 NORTHINGS: 4434102  
 FIELD NAME: WILDCAT ( 1 )

LEASE TYPE: 2 - Indian  
 LEASE NUMBER: 14-20-H62-5500  
 SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: GRRV  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. RLB0005651 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-11047 )
- RDCC Review (Y/N)  
(Date: 04/11/2007 )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: \_\_\_\_\_
- Eff Date: \_\_\_\_\_
- Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

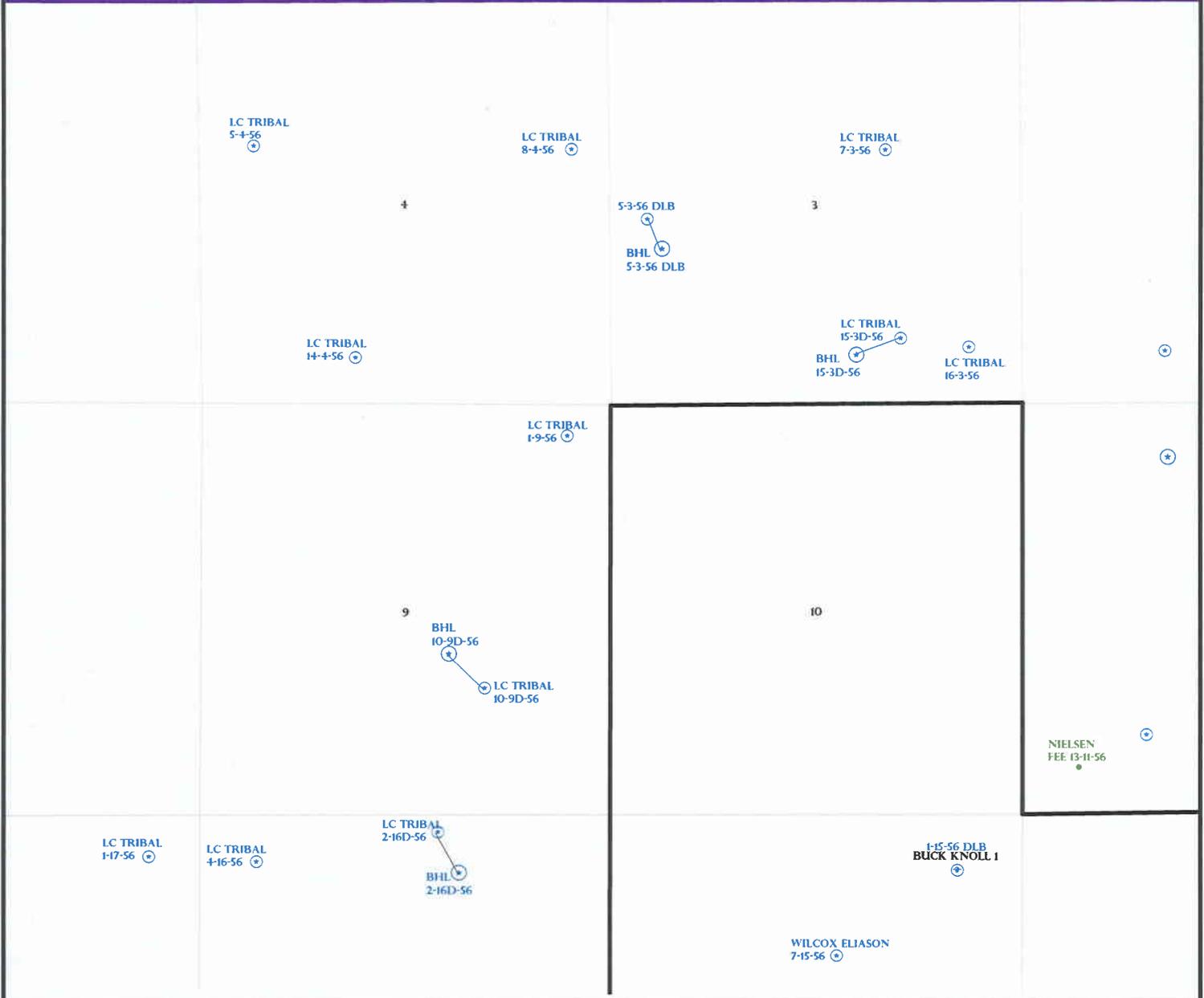
COMMENTS: PRESITE (05-01-07)

STIPULATIONS: 1- Federal Approval  
2- Spacing Slip  
3- STATEMENT OF BASIS  
4- RDCC

# ALTAMONT FIELD

LC TRIBAL  
14-34-46

T4S R6W



OPERATOR: BERRY PETRO CO (N2480)

SEC: 9 T.5S R. 6W

FIELD: WILDCAT (001)

COUNTY: DUCHESNE

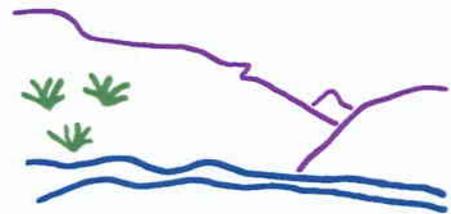
SPACING: R649-3-11 / DIRECTIONAL DRILLING

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

**Wells Status**

- ✂ GAS INJECTION
- ✂ GAS STORAGE
- ✂ LOCATION ABANDONED
- ⊙ NEW LOCATION
- ✂ PLUGGED & ABANDONED
- ✂ PRODUCING GAS
- PRODUCING OIL
- ✂ SHUT-IN GAS
- SHUT-IN OIL
- ✂ TEMP. ABANDONED
- ⊙ TEST WELL
- ⊙ WATER INJECTION
- ⊙ WATER SUPPLY
- ⊙ WATER DISPOSAL
- ✂ DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 27-APRIL-2007

# Application for Permit to Drill

## Statement of Basis

Utah Division of Oil, Gas and Mining

5/7/2007

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
352	43-013-33592-00-00		OW	P	No
<b>Operator</b>	BERRY PETROLEUM COMPANY	<b>Surface Owner-APD</b>			
<b>Well Name</b>	LC TRIBAL 10-9-56	<b>Unit</b>			
<b>Field</b>	UNDESIGNATED	<b>Type of Work</b>			
<b>Location</b>	NWSE 9 5S 6W U 1622 FSL 1600 FEL	GPS Coord (UTM) 537495E 4434102N			

### Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill

5/7/2007

APD Evaluator

Date / Time

### Surface Statement of Basis

The location is proposed in the upper Skitzzy area between the Right Fork of Indian Canyon and Lake Canyon. The area is approximately 15.2 road miles southwest of Duchesne, Utah. Access from the Indian Canyon State Highway 91 is following the Skitzzy road about 2 miles then along a two-track road to be up-graded. The road to be upgraded intersects the location. The non-highway access is across Ute Tribal, Utah Division of Wildlife Resources and private lands.

General topography in the area is broken pinion-juniper ridges with frequent draws and interspersed bench lands. Slopes are not excessively steep on top of the benches or ridges, but side slopes are frequently overly steep. All drainages are ephemeral and no seeps, springs or surface water are known to exist in the area.

The proposed LC Tribal # 10-9D-56 oil well it is mostly on top of a flat-topped ridge. Corner 8 is off the ridge on a relatively steep side-hill. This corner is planned to be rounded but the fill will still extend a considerable distance down this slope. The ridge also breaks off to the west beyond the location. It appears the location could have be rotated about 30 degrees to the west and reduced the rounding and fill at corner 8. Jeff Crozier representing Berry Petroleum suggested leaving the location as staked. This was also acceptable to Mr. Williams representing the DWR who owns the surface. No drainages intersect the site.

The surface for this location is owned by Berry Petroleum Co. and the minerals are owned by the US Government and held in trust for the Ute Indian Tribe. Michael Cutler of the BLM who represents the Ute Indian Tribe was invited to and attended the pre-site evaluation.

To reduce the impact on wintering deer and elk in the area, Ben Williams representing the UDWR, stated they will require, as part of their surface use agreement, that no road or pad construction, drilling or use of work-over rigs occur during the critical wintering period of December 1 thru April 15. He also requested that if a pump jack is installed on the location, a reduced sound emission muffler be installed on the motor. In addition he said that UDWR is currently working with Berry Petroleum and Barrett Resources for actions that would reduce the impact on these wintering herds. Both companies propose several wells on nearby UDWR properties.

Mr. Willams gave Mr. Crozier of Berry Petroleum a copy of his wildlife evaluation and a seed mixture to be used to revegetate un-used portions of the disturbed area.

Berry plans to drill the well using a closed loop mud circulation system. However if plans change a reserve pit will be constructed within an area of cut on the southwest corner of the location. Pit size would be 70'x 180' x

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# Application for Permit to Drill

## Statement of Basis

Utah Division of Oil, Gas and Mining

5/7/2007

Page 2

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10' deep with a 10' wide bench. The pit would be lined with a minimum of a 16mil liner.

The selected location appears to be suitable for drilling and operating a well.

Floyd Bartlett  
Onsite Evaluator

5/1/2007  
Date / Time

### Conditions of Approval / Application for Permit to Drill

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit unless a closed loop mud circulation system is used..

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** BERRY PETROLEUM COMPANY  
**Well Name** LC TRIBAL 10-9-56  
**API Number** 43-013-33592-0      **APD No** 352      **Field/Unit** UNDESIGNATED  
**Location:** 1/4,1/4 NWSE      **Sec** 9      **Tw** 5S      **Rng** 6W      1622 FSL 1600 FEL  
**GPS Coord (UTM)** 537505      4434111      **Surface Owner**

### Participants

Floyd Bartlett (DOGM), Jeff Crozier (Berry Petroleum), Ben Williams (UDWR), Michael Cutler (BLM).

### Regional/Local Setting & Topography

The location is proposed in the upper Skitzzy area between the Right Fork of Indian Canyon and Lake Canyon. The area is approximately 15.2 road miles southwest of Duchesne, Utah. Access from the Indian Canyon State Highway 91 is following the Skitzzy road about 2 miles then along a two-track road to be up-graded. The road to be upgraded intersects the location. The non-highway access is across Ute Tribal, Utah Division of Wildlife Resources and private lands.

General topography in the area is broken pinion-juniper ridges with frequent draws and interspersed bench lands. Slopes are not excessively steep on top of the benches or ridges, but side slopes are frequently overly steep. All drainages are ephemeral and no seeps, springs or surface water are known to exist in the area.

The proposed LC Tribal # 10-9D-56 oil well it is mostly on top of a flat-topped ridge. Corner 8 is off the ridge on a relatively steep side-hill. This corner is planned to be rounded but the fill will still extend a considerable distance down this slope. The ridge also breaks off to the west beyond the location. It appears the location could have been rotated about 30 degrees to the west and reduced the rounding and fill at corner 8. No drainages intersect the site.

The surface for this location is owned by Berry Petroleum Co. and the minerals are owned by the US Government and held in trust for the Ute Indian Tribe.

### Surface Use Plan

#### **Current Surface Use**

Recreational  
Deer Winter Range  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0	Width 220	Length 300 Onsite	UNTA

**Ancillary Facilities** N

### Waste Management Plan Adequate? Y

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

The location is in moderately dense pinion-juniper. Understory is sparse comprised of poa spp. And elderberry.ing project. A good vegetative cover exists consisting of big sagebrush, basin wild rye, slender wheat grass, crested wheat grass, petradoria. Moderate elk use has occurred in the area.

Elk, deer, coyotes, rabbits and small mammals, birds and raptors.

**Soil Type and Characteristics**

Deep shaley sandy loam.

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diverson Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

**Site-Specific Factors**

**Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	300 to 1320	10
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	10 to 20	5
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 30 1 **Sensitivity Level**

**Characteristics / Requirements**

Berry plans to drill the well using a closed loop mud circulation system. However if plans change a reserve pit will be constructed within an area of cut on the southwest corner of the location. Pit size would be 70'x 180' x 10' deep with a 10' wide bench. The pit would be lined with a minimum of a 16mil liner.

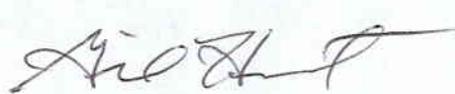
**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

**Other Observations / Comments**

Floyd Bartlett  
**Evaluator**

5/1/2007  
**Date / Time**

**STATE ACTIONS**  
**Resource Development Coordinating Committee**  
**Public Lands Policy Coordination Office**  
**5110 State Office Building**  
**SLC, UT 84114**  
**Phone No. 537-9230**

<b>1. State Agency</b> Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	<b>2. Approximate date project will start:</b>  Upon Approval or April 13, 2007
<b>3. Title of proposed action:</b> Application for Permit to Drill	
<b>4. Description of Project:</b>  Berry Petroleum Company proposes to drill the LC Tribal 10-9-56 well (wildcat) on Indian lease 14-20-H62-5500, Duchesne County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
<b>5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)</b> (include UTM coordinates where possible) (indicate county) 1622' FSL 1600' FEL, NW/4 SE/4, Section 9, Township 5 South, Range 6 West, Duchesne County, Utah	
<b>6. Possible significant impacts likely to occur:</b> Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
<b>7. Identify local government affected</b> a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
<b>8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:</b> a. Has the representative and senator been contacted? N/A	
<b>9. Areawide clearinghouse(s) receiving state action:</b> (to be sent out by agency in block 1) Uintah Basin Association of Governments	
<b>10. For further information, contact:</b>   <b>Diana Mason</b> <b>Phone:</b> (801) 538-5312	<b>11. Signature and title of authorized officer</b>   Gil Hunt, Associate Director <b>Date:</b> March 30, 2007

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

FORM 3

AMENDED REPORT   
(highlight changes)

**APPLICATION FOR PERMIT TO DRILL**

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. MINERAL LEASE NO: <b>14-20-H62-5500 (EDA)</b>	6. SURFACE: <b>FEE</b>
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: <i>Uta</i>	
2. NAME OF OPERATOR: <b>BERRY PETROLEUM COMPANY</b>		8. UNIT or CA AGREEMENT NAME: <b>N/A</b>	
3. ADDRESS OF OPERATOR: <b>RT. 2 BOX 7735</b> CITY <b>ROOSEVELT</b> STATE <b>UTAH</b> ZIP <b>84066</b>		PHONE NUMBER: <b>(435)722-1325</b>	9. WELL NAME and NUMBER: <b>LC TRIBAL 10-9-56</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>1622' FSL, 1600' FEL</b> AT PROPOSED PRODUCING ZONE: <b>SAME AS ABOVE</b>		10. FIELD AND POOL, OR WILDCAT: <i>Wildcat</i> <b>LAKE CANYON</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>16.1 MILES FROM DUCHESNE, UTAH</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>(NW/SE) SEC. 9, T.5S., R.6W. U.S.B.&amp;M.</b>	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>1600'</b>	16. NUMBER OF ACRES IN LEASE: <b>80.00</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>N/A</b>	19. PROPOSED DEPTH: <b>6146'</b>	20. BOND DESCRIPTION: <b>RLB0005651</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>7633' GR</b>	22. APPROXIMATE DATE WORK WILL START: <b>REFER TO BPC SOP PLAN</b>	23. ESTIMATED DURATION: <b>REFER TO BPC SOP PLAN</b>	

**PROPOSED CASING AND CEMENTING PROGRAM: SEE ATTACHMENT**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
<b>12 1/4</b>	<b>8 5/8</b>	<b>J-55 STC</b>	<b>24#</b>	<b>300'</b>	TYPE III + ADDITIVES	<b>130 SX</b>	<b>1.43 CF/SK</b>	<b>14.3 PPG</b>
<b>7 7/8</b>	<b>5 1/2</b>	<b>J-55 LTC</b>	<b>15.5#</b>	<b>6146'</b>	HI-FILL MODIFIED+ADDITIVES	<b>270 SX</b>	<b>3.43 CF/SK</b>	<b>11.0 PPG</b>
					65/35 POZ+6% GEL+3% KCL+ADDITIVES	<b>214 SX</b>	<b>1.91 CF/SK</b>	<b>13.0 PPG</b>
NOTE: ACTUAL VOLUMES PUMPED WILL BE CALIPER HOLE VOLUME+25% EXCESS								

**ATTACHMENTS: SEE CEMENT RECOMMENDATION ATTACHMENT**

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 (BPC SOP ON FILE WITH STATE)      |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) **SHELLEY E. CROZIER** TITLE **REGULATORY & PERMITTING SPECIALIST**  
SIGNATURE *Shelley E. Crozier* DATE **03/16/07**

(This space for State use only)

API NUMBER ASSIGNED: **43-013-33592**

APPROVAL:

**RECEIVED**  
**MAR 20 2007**

T5S, R6W, U.S.B.&M.

E 1/4 Cor Sec 5  
Set Stone

NW Cor Sec 8  
Set Marked  
Stone, 1/2  
Rebar

N00°54'20"W -  
2636.78' (Meas.)

S89°28'49"W - 5219.67' (Meas.)

N88°04'42"W -  
5231.49' (Meas.)

Section Corner  
Re-Established  
by Using Double  
Proportion Method  
(Not Set)

Marked Stone,  
Pile of Stones,  
Steel Post

N00°49'24"E - 5273.44' (Meas.)

9

LC TRIBAL #10-9-56  
Elev. Ungraded Ground = 7637'

1600'

N00°30'57"E - 5247.39' (Meas.)

1622'

Set Marked Stone,  
Steel Post

Steel Post

S89°12'09"W - 5248.50' (Meas.)

LEGEND:

└─┘ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 40°03'29.63" (40.058231)

LONGITUDE = 110°33'39.44" (110.560956)

(NAD 27)

LATITUDE = 40°03'29.77" (40.058269)

LONGITUDE = 110°33'36.88" (110.560244)

BERRY PETROLEUM COMPANY

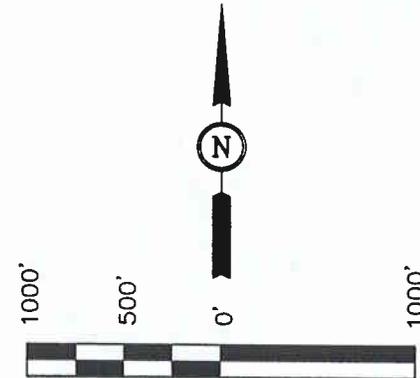
Well location, LC TRIBAL #10-9-56, located as shown in the NW 1/4 SE 1/4 of Section 9, T5S, R6W, U.S.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

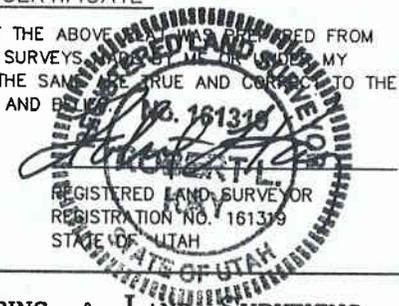
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

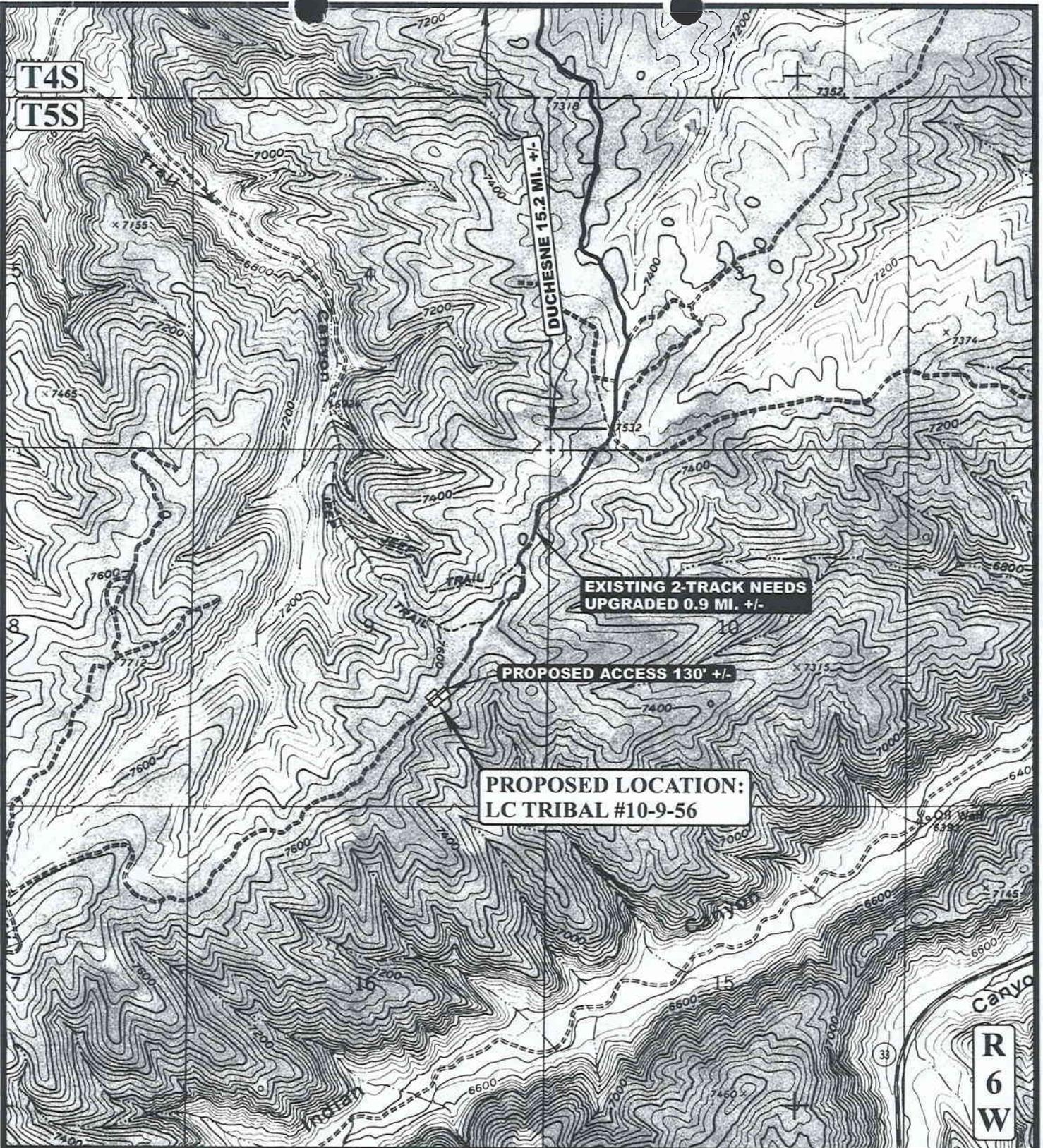
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-18-06	DATE DRAWN: 11-08-06
PARTY P.J. J.W. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BERRY PETROLEUM COMPANY	



**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING 2-TRACK NEEDS UPGRADED

**BERRY PETROLEUM COMPANY**

LC TRIBAL #10-9-56  
 SECTION 9, T5S, R6W, U.S.B.&M.  
 1622' FSL 1600' FEL



Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC MAP 11 07 06  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 7, 2007

Berry Petroleum Company  
Rt. 2, Box 7735  
Roosevelt, UT 84066

Re: LC Tribal 10-9D-56 Well, Surface Location 1622' FSL, 1600' FEL, NW SE, Sec. 9, T. 5 South, R. 6 West, Bottom Location 2058' FSL, 2066' FEL, NW SE, Sec. 9, T. 5 South, R. 6 West, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

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. The API identification number assigned to this well is 43-013-33592.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal District Office

Operator: Berry Petroleum Company  
Well Name & Number LC Tribal 10-9D-56  
API Number: 43-013-33592  
Lease: 14-20-H62-5500

Surface Location: NW SE      Sec. 9      T. 5 South      R. 6 West  
Bottom Location: NW SE      Sec. 9      T. 5 South      R. 6 West

### Conditions of Approval

#### 1. 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.

#### 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

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

5. 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.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. 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.
8. Operator shall comply with applicable recommendations resulting from Resource Development Coordinating Committee review. Statements attached.

RECEIVED  
VERNAL FIELD OFFICE

APR 12 2007

2007 SEP -5 PM 4: 07

Form 3160-3  
(April 2004)

FORM APPROVED  
OMB No. 1004-0137  
Expires March 31, 2007

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT.

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. TYPE OF WORK <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. Unit or CA Agreement, Name and No. N/A	
1b. Type of Well: <input checked="" type="checkbox"/> Oil well <input type="checkbox"/> Gas well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single zone <input type="checkbox"/> Multiple zone		8. Lease Name and Well No. LC TRIBAL 10-9D-56	
2. Name of Operator BERRY PETROLEUM COMPANY		9. API Well No. 43-013-33592	
3a. Address 4000 SOUTH 4028 WEST RT. 2 BOX 7735, ROOSEVELT, UT. 84066		3b. Phone No. (include are code) (435) 722-1325	
10. Field and Pool, or Exploratory LAKE CANYON		11. Sec., T. R. M. or BLK. and Survey or Area SEC. 9, T.5S., R.6W. U.S.B.&M.	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface (NW/SE) 1622' FSL, 1600' FEL      NAD 27      40.058269 LAT At proposed prod. zone BHL: (NW/SE) 2058' FSL 2066' FEL      110.560244 LONG		12. County or Parrish DUCHESNE	
14. Distance in miles and direction from nearest town or post office* 16.1 MILES FROM DUCHESNE, UTAH		13. State UTAH	
15. Distance from proposed* location to nearest property of lease line, ft. (Also to neaset drg. Unit line, if any) 1600'		16. No. of acres in lease 80.00	
17. Spacing Unit dedicated to this well 40		18. Distance from proposed* to nearest well, drilling, completed, applied for, on this lease, ft. N/A	
19. Proposed Depth 6146'		20. BLM/BIA Bond No. on file UTB000035 / RLB0005750	
21. Elevations (Show whether DF, KDB, RT, GR, etc.) 7633' GR		22. Approximate date work will start* REFER TO BPC SOP PLAN	
		23. Estimated duration REFER TO BPC SOP PLAN	

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.
- 2. A Drilling Plan.
- 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).
- 4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) SHELLEY E. CROZIER	Date 04/19/07
Title REGULATORY & PERMITTING SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) JERRY KEVANA	Date 12-7-2007
Title Assistant Field Manager Lands & Mineral Resources VERNAL FIELD OFFICE		

Application approval 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.

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.

\*(Instructions on page 2)

NOTICE OF APPROVAL

RECEIVED

DEC 14 2007

DIV. OF OIL, GAS & MINING



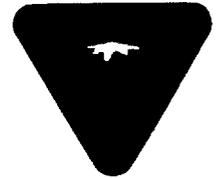


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



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

**Company:** Berry Petroleum Company  
**Well No:** LC Tribal 10-9D-56  
**API No:** 43-013-33592

**Location:** NWSE, Sec. 9, T5S, R6W  
**Lease No:** 20G0005500  
**Agreement:** EDA

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**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**

Construction Activity	-	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	-	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
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.
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.

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

**CONDITIONS OF APPROVAL:**

- All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.
- Conditions as set forth by those owners and/or agencies.

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

**SITE SPECIFIC DOWNHOLE COAs:**

- None.

**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.
- 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.

- 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 [UT\\_VN\\_Welllogs@BLM.gov](mailto: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.

## **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.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- 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, 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.

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to re-enter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

20G-000-5500

6. If Indian, Allottee or Tribe Name:

0

7. Unit Agreement Name:

8. Well Name and Number:

LC TRIBAL 10-9D-56

9. API Well Number:

43-013-33592

10. Field and Pool, or Wildcat:

LAKE CANYON

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

BERRY PETROLEUM COMPANY

3. Address and Telephone Number:

4000 SOUTH 4028 WEST, RT. 2 BOX 7735 ROOSEVELT, UTAH 84066 (435) 722-1325

4. Location of Well:

Footages: 1622' FSL, 1600' FEL BHL: 2058' FSL, 2066' FEL  
QQ, Sec., T., R., M.: NW/SE SEC. 9, T5S, R6W USB&M

County: DUCHESNE,  
State: UTAH

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

NOTICE OF INTENT

(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other ONE YEAR EXTENSION
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

SUBSEQUENT REPORT

(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

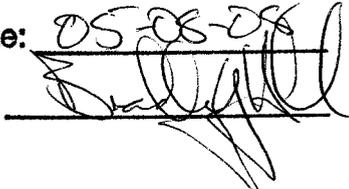
\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

BERRY PETROEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

Approved by the  
Utah Division of  
Oil, Gas and Mining

STATE BOND #RLB0005651

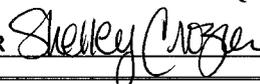
Date: 05-08-08  
By: 

COPY SENT TO OPERATOR

Date: 5.12.2008

Initials: KS

13

Name & Signature: SHELLEY E. CROZIER  Title: REGULATORY & PERMITTING SPECIALIST Date: 05/05/08

(This space for Federal or State office use)

RECEIVED  
MAY 06 2008  
DIV. OF OIL, GAS & MINING

RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-33592  
**Well Name:** LC TRIBAL 10-9D-56  
**Location:** (NW/SE) 1622' FSL, 1600' FEL, SEC. 9-T5S-R6W  
**Company Permit Issued to:** BERRY PETROLEUM COMPANY  
**Date Original Permit Issued:** 5/7/2007

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 right-of-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

Shelley Crozier  
Signature

5/5/2008  
Date

Title: Regulatory & Permitting Specialist

Representing: Berry Petroleum Company

**RECEIVED**  
**MAY 06 2008**  
DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
200-000-5500 14-20-H62-5500

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
N/A

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
LC TRIBAL 10-9D-56

2. NAME OF OPERATOR:  
BERRY PETROLEUM COMPANY

9. API NUMBER:  
4301333592

3. ADDRESS OF OPERATOR:  
4000 S. 4028 W. CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER:  
(435) 722-1325

10. FIELD AND POOL, OR WILDCAT:  
LAKE CANYON

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1622' FSL, 1600' FEL BHL: 2058' FSL, 2066' FEL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 9 T5S R6W

STATE: UTAH

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>1 YR. EXTENSION</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.

BERRY PETROLEUM COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

Approved by the  
Utah Division of  
Oil, Gas and Mining

STATE BOND # RLB0005651

**COPY SENT TO OPERATOR**

Date: 5.11.2009

Initials: KS

Date: 05-06-09

By: [Signature]

NAME (PLEASE PRINT) SHELLEY E. CROZIER

TITLE REGULATORY & PERMITTING SPECIALIST

SIGNATURE [Signature]

DATE 5/5/2009

(This space for State use only)

**RECEIVED**

**MAY 06 2009**

DIV. OF OIL, GAS & MINING



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-013-33592  
**Well Name:** LC TRIBAL 10-9D-56  
**Location:** (NW/SE) 1622' FSL, 1600' FEL, SEC. 9-T5S-R6W  
**Company Permit Issued to:** BERRY PETROLEUM COMPANY  
**Date Original Permit Issued:** 5/7/2007

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 right-of-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

Shelley E. Crozier  
Signature

5/5/2009  
Date

Title: Regulatory & Permitting Specialist

Representing: Berry Petroleum Company

**RECEIVED**

**MAY 06 2009**

DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**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.*

5. Lease Serial No.  
14-20-H62-5500 (EDA)

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator  
BERRY PETROLEUM COMPANY

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1622' FSL, 1600' FEL BHL: 2058' FSL, 2066' FEL (NWSE) SEC. 9-T5S-R6W

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

8. Well Name and No.  
LC TRIBAL 10-9D-56

9. API Well No.  
4301333592

10. Field and Pool or Exploratory Area  
LAKE CANYON

11. Country or Parish, State  
DUCHESNE COUNTY, UTAH

12. CHECK THE 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	1 YR. EXTENSION
	<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 must 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 must be filed once testing has been completed. Final Abandonment Notices must 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 COMPANY RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

RECEIVED

DEC 31 2009

DIV. OF OIL, GAS & MINING

DEC - 1 2009

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

SHELLEY E. CROZIER

Title REGULATORY & PERMITTING SPECIALIST

Signature

*Shelley E. Crozier*

Date 12/01/2009

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

Approved by

*[Signature]*

Petroleum Engineer

Date

DEC 17 2009

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

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.

(Instructions on page 2)



<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> 14-20-H62-5500
<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> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> LC TRIBAL 10-9D-56
<b>2. NAME OF OPERATOR:</b> BERRY PETROLEUM COMPANY	<b>9. API NUMBER:</b> 43013335920000
<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 FOOTAGES AT SURFACE:</b> 1622 FSL 1600 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 09 Township: 05.0S Range: 06.0W Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> WILDCAT  <b>COUNTY:</b> DUCHESNE  <b>STATE:</b> UTAH

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

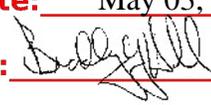
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/7/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date 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: _____

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

BERRY PETROLEUM RESPECTFULLY REQUESTS THAT THE APPROVED APPLICATION TO DRILL FOR THE ABOVE SUBJECT WELL BE EXTENDED FOR A PERIOD OF ONE (1) YEAR.

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

**Date:** May 03, 2010

**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> 4/29/2010



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 43013335920000

API: 43013335920000

Well Name: LC TRIBAL 10-9D-56

Location: 1622 FSL 1600 FEL QTR NWSE SEC 09 TWP 050S RNG 060W MER U

Company Permit Issued to: BERRY PETROLEUM COMPANY

Date Original Permit Issued: 5/7/2007

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?
• Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?
• Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?
• Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?
• Has the approved source of water for drilling changed?
• 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?
• Is bonding still in place, which covers this proposed well?

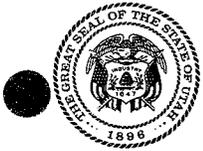
Approved by the Utah Division of Oil, Gas and Mining

Signature: Kathy K. Fieldsted

Date: 4/29/2010

Title: Sr. Regulatory & Permitting Tech. Representing: BERRY PETROLEUM COMPANY Date: May 03, 2010

By: [Signature]



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 18, 2011

43 013 33592  
LC Tribal 10D-9-56  
5S 6W 9

Kathy Fieldsted  
Berry Petroleum Company  
Rt. 2, Box 7735  
Roosevelt, UT 84066

Re: APDs Rescinded for Berry Petroleum Company  
Duchesne County

Dear Ms. Fieldsted:

Enclosed find the list of APDs that are being rescinded per your request to Berry Petroleum Company. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective May 11, 2011.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal



→	43-013-33592	LC Tribal 10-9D-56
	43-013-33629	LC Tribal 15-3D-56
	43-013-33633	LC Tribal 14-22D-46
	43-013-33637	Ute Tribal 1-29D-55
	43-013-33589	LC Tribal 14-34-46
	43-013-33590	LC Tribal 12-34-46
	43-013-33695	Ute Tribal G-21D-55



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

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Executive Director

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Division Director

May 18, 2011

43 013 33592  
LC Tribal 10D-9-56  
5S 6W 9

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	43-013-33590	LC Tribal 12-34-46
	43-013-33695	Ute Tribal G-21D-55



GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 18, 2011

43 013 33592  
LC Tribal 10D-9-56  
5S 6W 9

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Bureau of Land Management, Vernal



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GARY R. HERBERT  
Governor

GREGORY S. BELL  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 18, 2011

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5S 6W 9

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