

RECEIVED

APR 08 2005

Form 3160-3  
(April 2004)

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

UNITED STATES DIV. OF OIL, GAS & MINING  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

001

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-074397</b>
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name n/a
2. Name of Operator <b>BILL BARRETT CORPORATION</b>		7. If Unit or CA Agreement, Name and No. <b>Jack Canyon Unit</b>
3a. Address <b>1099 18th Street, Suite 2300 Denver CO 80202</b>		8. Lease Name and Well No. <b>Jack Canyon Unit #5-31D-12-16</b>
3b. Phone No. (include area code) <b>(303) 312-8168</b>		9. API Well No. <del>pending</del> <b>43-007-31025</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>SENE, 1919' FNL, 568' FEL</b> At proposed prod. zone <b>SWNW, 1980' FNL, 660' FWL (Sec. 31, T12S-R16E)</b>		10. Field and Pool, or Exploratory <b>Jack Canyon/Mesaverde</b>
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area <b>Section 36-T12S-R15E S.L.B.&amp;M.</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>568' (SHL)/660' (BHL)</b>	16. No. of acres in lease <b>2075.94</b>	17. Spacing Unit dedicated to this well <b>160 acres</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>12,628' (BHL)</b>	19. Proposed Depth <b>9814' MD</b>	20. BLM/BIA Bond No. on file <b>Nationwide Bond #WYB000040</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>7040' ungraded ground</b>	22. Approximate date work will start* <b>05/30/2005</b>	23. Estimated duration <b>60 days</b>

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 <i>Marcy Fallang</i>	Name (Printed/Typed) <b>Tracey Fallang</b>	Date <b>02/25/2005</b>
Title <b>Permit Analyst</b>		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	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.

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)

Surf  
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4398173Y  
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-110.177522

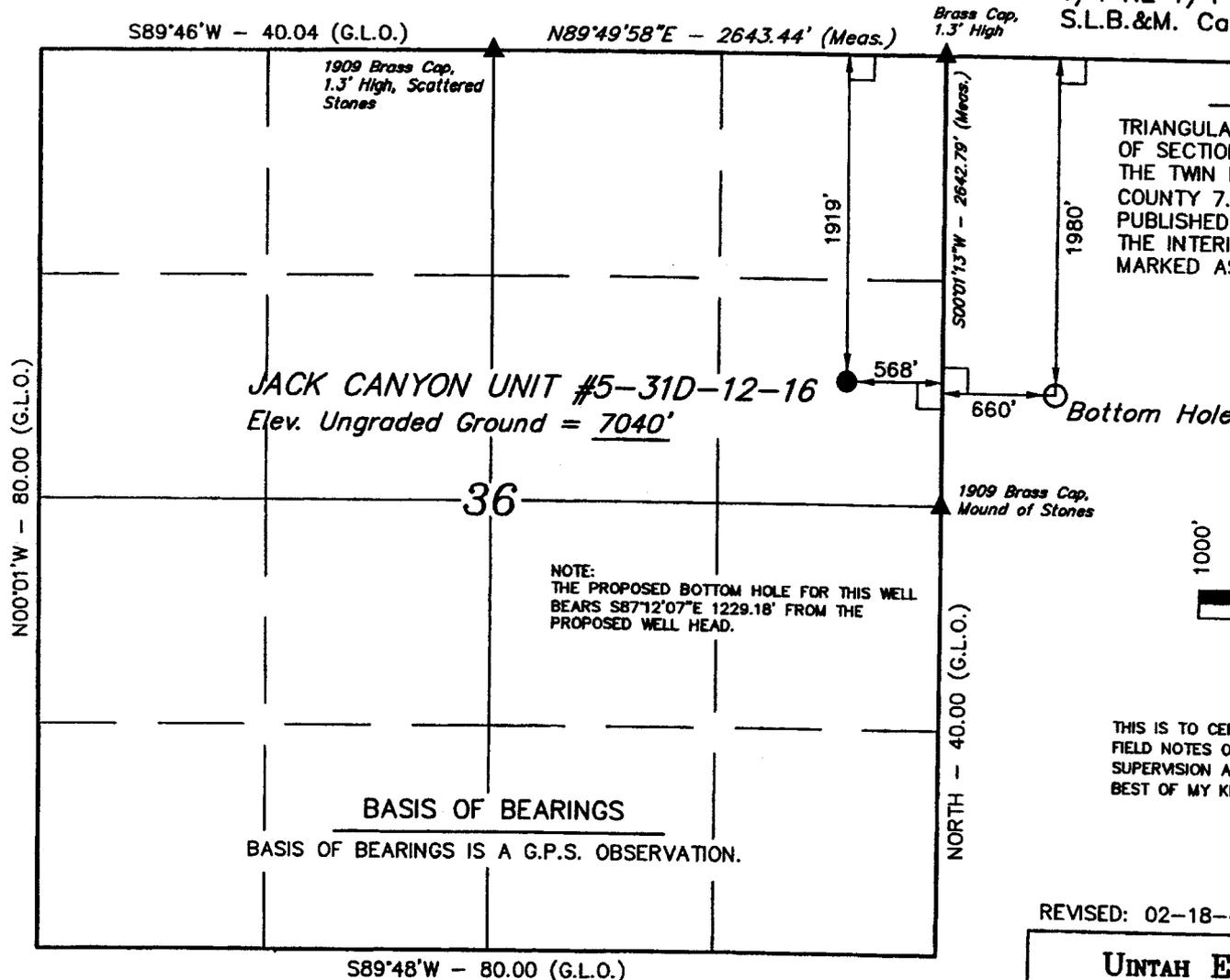
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CONFIDENTIAL

T12S, R15E, S.L.B.&M.

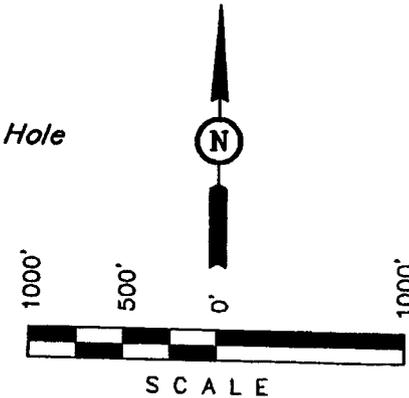
BILL BARRETT CORPORATION

Well location, JACK CANYON UNIT  
 #5-31D-12-16, located as shown in the SE  
 1/4 NE 1/4 of Section 36, T12S, R15E,  
 S.L.B.&M. Carbon County, Utah.



**BASIS OF ELEVATION**

TRIANGULATION STA. COTTON LOCATED IN THE NW 1/4 OF SECTION 31, T12S, R16E, S.L.B.&M. TAKEN FROM THE TWIN HOLLOW QUADRANGLE, UTAH, CARBON COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 7368 FEET.



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE 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.

*Bill Barrett*  
 No. 161319  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REVISED: 02-18-05

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

**LEGEND:**

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

(AUTONOMOUS NAD 83)  
 LATITUDE = 39°43'56.57" (39.732381)  
 LONGITUDE = 110°10'41.36" (110.178156)  
 (AUTONOMOUS NAD 27)  
 LATITUDE = 39°43'56.69" (39.732414)  
 LONGITUDE = 110°10'38.81" (110.177447)

SCALE 1" = 1000'	DATE SURVEYED: 1-22-03	DATE DRAWN: 1-23-03
PARTY B.B. G.O. C.G.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE BILL BARRETT CORPORATION	



April 5, 2005

RECEIVED

APR 08 2005

DIV. OF OIL, GAS & MINING

Ms. Diana Whitney  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill  
**Jack Canyon Unit Federal #5-31D-12-16, SENE, 1919' FNL, 568' FEL**  
Section 36, Township 12 South, Range 15 East, SLB&M, Carbon County, Utah

Dear Ms. Whitney:

Bill Barrett Corporation respectfully submits the enclosed copy of the *Application for Permit to Drill (APD)* for the above referenced well. Please be advised that BBC will be submitting the appropriate notices of consent in accordance with Rule 649-3-11 as BBC is not the sole working interest owner within 460' of the directional wellbore.

Please accept this letter as BBC's written request for CONFIDENTIAL treatment of all information contained in and pertaining to this application. Thank you in advance for your timely consideration of this application. Please feel free to contact me at 303-312-8168 if you have any questions or need additional information.

Sincerely,

  
Tracey Ballang  
Permit Analyst

Enclosures

1099 18TH STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420



February 25, 2005

RECEIVED  
APR 08 2005  
DIV. OF OIL, GAS & MINING

Mr. Eric Jones, Petroleum Engineer  
Bureau of Land Management  
Moab Field Office  
82 East Dogwood  
Moab, Utah 84532

RE: Application for Permit to Drill – Bill Barrett Corporation  
**Jack Canyon Unit #5-31D-12-16, SENE, 1919' FNL, 568' FEL**  
Section 36, Township 12 South, Range 15 East, SLB&M, Carbon County, Utah

Dear Mr. Jones:

Bill Barrett Corporation respectfully submits the enclosed original and two copies of the *Application for Permit to Drill (APD)* for the above referenced well.

Please accept this letter as BBC's written request for CONFIDENTIAL treatment of all information contained in and pertaining to this application. Thank you in advance for your timely consideration of this application. Please feel free to contact me at 303-312-8168 if you have any questions or need additional information.

Sincerely,

  
Tracey Fallang  
Permit Analyst

Enclosures

1099 18TH STREET  
SUITE 2300  
DENVER, CO 80202  
P 303.293.9100  
F 303.291.0420

cc: Bureau of Land Management  
Price Field Office  
125 South 600 West  
Price, Utah 84078  
Attention: Mr. Don Stephens

Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801  
Attention: Ms. Diana Whitney

SITLA  
675 East 500 South  
Salt Lake City, UT 84102  
Attention: Mr. Ed Bonner

## DRILLING PROGRAM

**BILL BARRETT CORPORATION**  
***Jack Canyon Unit #5-31D-12-16***  
 SENE, 1919' FNL, 568' FEL (Surface)  
 Section 36, T12S-R15E (Surface)  
 SWNW, 1980' FNL, 660' FWL (Bottom Hole)  
 Section 31, T12S-R16E (Bottom Hole)  
 Carbon County, Utah

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1 - 3. Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals

Formation	Depth - MD	Depth-TVD
Green River	Surface	Surface
Wasatch	3048'	2920'
North Horn	4954'	4695'
Price River	6724'	6465'
Base of Upper PR	6949'	6690'
Bluecastle	8059'	7800'
Neslen	8364'	8105'
Castlegate	8639'	8380'
Blackhawk	8914'	8655'
Kenilworth	9214'	8955'
Aberdeen	9514'	9255'
Spring Canyon	9589'	9330'
Mancos	9714'	9455'
TD	9814'	9555'

**PROSPECTIVE PAY**

Members of the Mesaverde formation are primary objectives for oil/gas and members of the Wasatch formation are secondary objectives.

4. Casing Program (Exhibit A attached)

Purpose	Hole Size	SETTING DEPTH (MD)		O.D.	Weight	Grade	Thread	Condition
		(FROM)	(TO)					
Surface	12 1/4"	Surface	1,000'	9 5/8"	36#	J or K 55	ST&C	New
Production	7 7/8"	Surface	9,814'	5 1/2"	17#	N-80	LT&C	New

Note: Pending evaluation of anticipated stress on the production casing, BBC may use 5 1/2", 20# P-110 LT&C production casing instead of the 17# N-80. Any substitute casing string shall have equivalent or greater collapse, tension and burst properties.

5. **Cementing Program (Exhibit B attached)**

<b>Casing Type</b>	<b>Cement Type and Amount</b>
9 5/8" Surface Casing	Lead with approximately 240 sx Halliburton Light Premium with additives mixed at 12.7 ppg (yield = 1.85 ft <sup>3</sup> /sx) and tail with approximately 170 sx Premium cement with additives mixed at 15.8 ppg (yield = 1.16 ft <sup>3</sup> /sx) circulated to surface with 100% excess.
5 1/2" Production Casing	Approximately 1110 sx 50/50 Poz Premium cement with additives mixed at 13.4 ppg (yield = 1.491 ft <sup>3</sup> /sx). Top of cement to be determined by log and sample evaluation, estimated TOC 2500'

Note: Actual volumes to be calculated from caliper log.

6. **Mud Program**

<b>Interval</b>	<b>Weight</b>	<b>Viscosity</b>	<b>Fluid Loss (API filtrate)</b>	<b>Remarks</b>
0 - 40'	8.3 - 8.6	27 - 40	--	Native Spud Mud
40 - 1000'	8.3 - 8.6	27 - 40	15 cc or less	Native/Gel/Lime
1000 - TD	8.6 - 9.5	38 - 46	15 cc or less	LSND/DAP

Note: Sufficient mud materials to maintain mud properties, control lost circulation and to contain "kicks" will be available at wellsite. If deviation problems and increased torque and drag occur, #2 diesel oil with ENVIRO-TORQ / EZ-GLIDE may be added for reduction and increased ROP.

7. **BOP and Pressure Containment Data (Exhibit C attached)**

<b>Depth Intervals</b>	<b>BOP Equipment</b>
0 - 1000'	No pressure control required
1000' - TD	11" 3000# Ram Type BOP 11" 3000# Annular BOP
- Drilling spool to accommodate choke and kill lines;	
- Ancillary and choke manifold to be rated @ 3000 psi;	
- Ancillary equipment and choke manifold rated at 3,000#. All BOP and BOPE tests will be in accordance with the requirements of onshore Order No. 2;	
- The BLM and State of Utah, Division of Oil, Gas and Mining, will be notified 24 hours in advance of all BOP pressure tests.	

8. **Auxiliary Equipment**

- a) Upper Kelly cock; lower Kelly cock will be installed while drilling
- b) Inside BOP or stab-in valve (available on rig floor)
- c) Safety valve(s) and subs to fit all string connections in use
- d) Mud monitoring will be visually observed

9. **Testing, Logging and Core Programs**

Cores	None anticipated;
Testing	None anticipated; drill stem tests may be run on shows of interest;
Sampling	30' to 50' samples; surface casing to TD. Preserve samples all show intervals;
Surveys	Run every 1000' and on trips, slope only;
Logging	DIL-GR-SP, FDC-CNL-GR-CAL-Pe-Microlog, Sonic-GR, all TD to surface.

10. **Anticipated Abnormal Pressures or Temperatures**

No abnormal pressures or temperatures or other hazards are anticipated.

Maximum anticipated bottom hole pressure equals approximately 4848 psi\* and maximum anticipated surface pressure equals approximately 2689 psi\*\* (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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

\*\*Maximum surface pressure = A - (0.22 x TD)

11. **Drilling Schedule**

Spud: Approximately May 30, 2005  
 Duration: 25 days drilling time  
 35 days completion time

**\*\*Directional plan attached as Exhibit D.**

# **EXHIBIT A**

Well name:	<b>Utah: Nine Mile</b>
Operator:	<b>Bill Barrett</b>
String type:	Surface
Location:	Uintah County, UT

**Design parameters:**  
**Collapse**  
Mud weight: 9.50 ppg

**Minimum design factors:**  
**Collapse:**  
Design factor: 1.125

**Environment:**  
H2S considered? No  
Surface temperature: 75.00 °F  
Bottom hole temperature: 89 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Design is based on evacuated pipe.

**Burst:**  
Design factor: 1.00

Cement top: Surface

**Burst**  
Max anticipated surface pressure: 2,735 psi  
Internal gradient: 0.22 psi/ft  
Calculated BHP: 2,955 psi

**Tension:**  
8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.80 (J)  
Premium: 1.80 (J)  
Body yield: 1.80 (B)

Non-directional string.

Annular backup: 9.50 ppg

Tension is based on buoyed weight.  
Neutral point: 859 ft

**Re subsequent strings:**  
Next setting depth: 10,000 ft  
Next mud weight: 9.500 ppg  
Next setting BHP: 4,935 psi  
Fracture mud wt: 10.000 ppg  
Fracture depth: 10,000 ft  
Injection pressure: 5,195 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1000	9.625	36.00	J/K-55	ST&C	1000	1000	8.796	71.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	493	2020	4.094	2735	3520	1.29	31	453	14.64 J

Prepared Dominic Spencer  
by: Bill Barrett

Phone: (303) 312-8143  
FAX: (303) 312-8195

Date: August 1, 2003  
Denver, Colorado

Remarks:  
Collapse is based on a vertical depth of 1000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes.  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Burst strength is not adjusted for tension.

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

**Utah: Nine Mile**

Well name:  
 Operator: **Bill Barrett**  
 String type: Production  
 Location: Uintah County, UT

**Design parameters:**

**Collapse**  
 Mud weight: 9.50 ppg

Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
 Design factor 1.125

**Burst:**  
 Design factor 1.00

**Tension:**  
 8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.80 (J)  
 Premium: 1.80 (J)  
 Body yield: 1.80 (B)

Tension is based on buoyed weight.  
 Neutral point: 8,559 ft

**Environment:**

H2S considered? No  
 Surface temperature: 75.00 °F  
 Bottom hole temperature: 215 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

Cement top: 2,500 ft

Non-directional string.

**Burst**

Max anticipated surface pressure: 4,705 psi  
 Internal gradient: 0.02 psi/ft  
 Calculated BHP 4,935 psi

Annular backup: 9.50 ppg

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	10000	5.5	17.00	N-80	LT&C	10000	10000	4.767	344.6

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4935	6290	1.275	4705	7740	1.65	146	348	2.39 J

Prepared Dominic Spencer  
 by: Bill Barrett

Phone: (303) 312-8143  
 FAX: (303) 312-8195

Date: August 1, 2003  
 Denver, Colorado

Remarks:

Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.5 ppg. The casing is considered to be evacuated for collapse purposes.  
 Collapse strength is based on the Westcott, Dunlop & Kemier method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

# **EXHIBIT B**



# Bill Barrett Corporation

## NINE MILE CEMENT VOLUMES

Well Name: **Jack Canyon Unit #5-31D-12-16**

### Surface Hole Data:

Total Depth:	1,000'
Top of Cement:	0'
OD of Hole:	12.250"
OD of Casing:	9.625"

### Calculated Data:

Lead Volume:	219.2	ft <sup>3</sup>
Lead Fill:	700'	
Tail Volume:	94.0	ft <sup>3</sup>
Tail Fill:	300'	

### Cement Data:

Lead Yield:	1.85	ft <sup>3</sup> /sk
Tail Yield:	1.16	ft <sup>3</sup> /sk
% Excess:	100%	

### Calculated # of Sacks:

# SK's Lead:	240
# SK's Tail:	170

### Production Hole Data:

Total Depth:	9,814'
Top of Cement:	2,500'
OD of Hole:	7.875"
OD of Casing:	5.500"

### Calculated Data:

Lead Volume:	1267.2	ft <sup>3</sup>
Lead Fill:	7,314'	

### Cement Data:

Lead Yield:	1.49	ft <sup>3</sup> /sk
% Excess:	30%	

### Calculated # of Sacks:

# SK's Lead:	1110
--------------	------

**Jack Canyon Unit #5-31D-12-16 Proposed Cementing Program**

<u>Job Recommendation</u>	<u>Surface Casing</u>
<b>Lead Cement - (700' - 0')</b>	
Halliburton Light Premium	Fluid Weight: 12.7 lbm/gal
2.0% Calcium Chloride	Slurry Yield: 1.85 ft <sup>3</sup> /sk
0.125 lbm/sk Ploy-E-Flake	Total Mixing Fluid: 9.9 Gal/sk
	Top of Fluid: 0'
	Calculated Fill: 700'
	Volume: 78.09 bbl
	<b>Proposed Sacks: 240 sks</b>
<b>Tail Cement - (1000' - 700')</b>	
Premium Cement	Fluid Weight: 15.8 lbm/gal
94 lbm/sk Premium Cement	Slurry Yield: 1.16 ft <sup>3</sup> /sk
2.0% Calcium Chloride	Total Mixing Fluid: 4.97 Gal/sk
0.125 lbm/sk Ploy-E-Flake	Top of Fluid: 700'
	Calculated Fill: 300'
	Volume: 33.47 bbl
	<b>Proposed Sacks: 170 sks</b>

<u>Job Recommendation</u>	<u>Production Casing</u>
<b>Lead Cement - (9814' - 2500')</b>	
50/50 Poz Premium	Fluid Weight: 13.4 lbm/gal
3.0 % KCL	Slurry Yield: 1.49 ft <sup>3</sup> /sk
0.75% Halad®-322	Total Mixing Fluid: 7.06 Gal/sk
3.0 lbm/sk Silicalite Compacted	Top of Fluid: 2,500'
0.2% FWCA	Calculated Fill: 7,314'
0.125 lbm/sk Poly-E-Flake	Volume: 293.38 bbl
1.0 lbm/sk Granulite TR 1/4	<b>Proposed Sacks: 1110 sks</b>

# **EXHIBIT C**

## BOP AND PRESSURE CONTAINMENT DATA

**A. Type:** Eleven (11) Inch Double Gate Hydraulic BOP with Eleven (11) Inch Annular Preventer. The blow out preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Drilling spool with two (2) side outlets (choke side 3-inch minimum, kill side 2-inch minimum).
4. 3-inch diameter choke line.
5. Two (2) choke line valves (3-inch minimum).
6. Kill line (2-inch minimum).
7. Two (2) chokes.
8. Two (2) kill line valves, one of which shall be a check valve (2-inch minimum).
9. Upper kelly cock valve with handles available.
10. Safety valve(s) & subs to fit all drill string connections in use.
11. Pressure gauge on choke manifold.
12. Fill-up line above the uppermost preventer.

**B. Pressure Rating:** 3,000 psi

**C. Testing Procedure:**

### Annular Preventer

At a minimum, the Annular Preventer will be pressure tested to 50% of the rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition, the Annular Preventer will be functionally operated at least weekly.

### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug).

## BOP AND PRESSURE CONTAINMENT DATA

Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

### **D. Choke Manifold Equipment:**

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

### **E. Accumulator:**

The accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of closing unit pumps. The fluid reservoir capacity will be double the usable fluid volume of the accumulator system capacity and the fluid level of the reservoir will be maintained at the manufacturer's recommendations.

The BOP system will have two (2) independent power sources to close the preventers. Nitrogen bottles (3 minimum) will be one (1) of these independent power sources and will maintain a charge equal to the manufacturer's specifications.

The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge pressure is found to be above or below the maximum or minimum limits specified in the *Onshore Oil & Gas Order Number 2*.

A manual locking device (i.e. hand wheels) or automatic locking device will be installed on all systems of 2M or greater. A valve will be installed in the closing line as close as possible to the annular preventer to act as a locking device. This valve will be maintained in the open position and will be closed only when the power source for the accumulator is inoperative.

## BOP AND PRESSURE CONTAINMENT DATA

Remote controls shall be readily accessible to the driller. Remote controls for all 3M or greater systems will be capable of closing all preventers. Remote controls for 5M or greater systems will be capable of both opening and closing all preventers. Master controls will be at the accumulator and will be capable of opening and closing all preventers and the choke line valve (if so equipped).

### **F. Miscellaneous Information:**

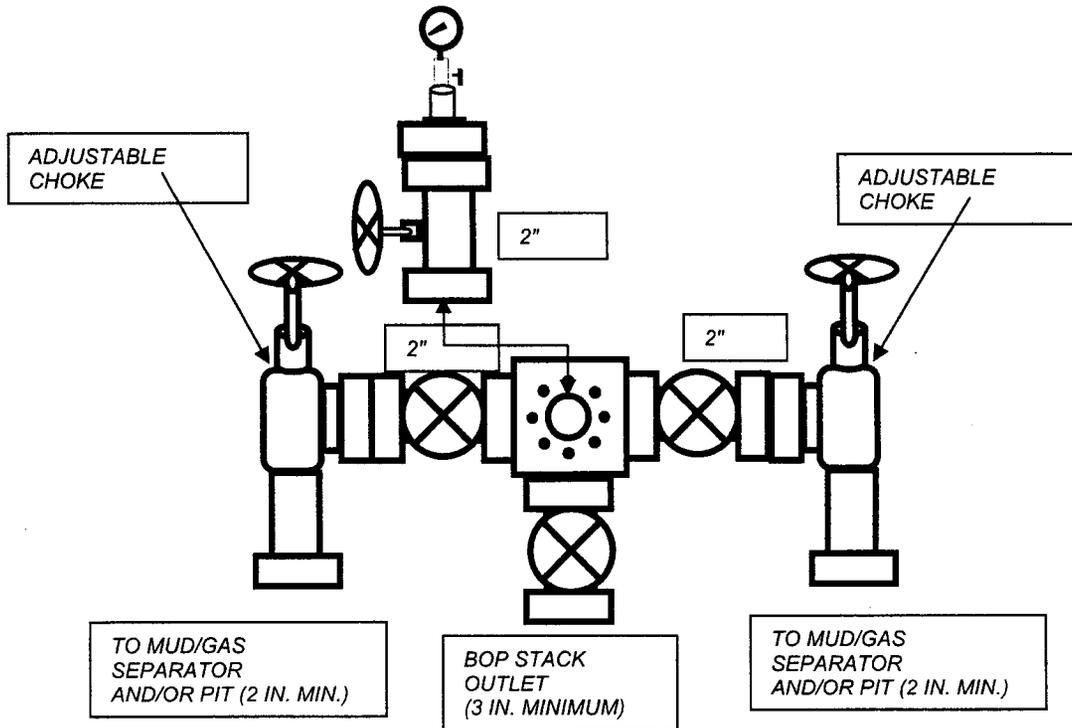
The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*. The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller. Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 125 feet (minimum) from the center of the drill hole to a separate flare pit.

BOP AND PRESSURE CONTAINMENT DATA

BILL BARRETT CORPORATION

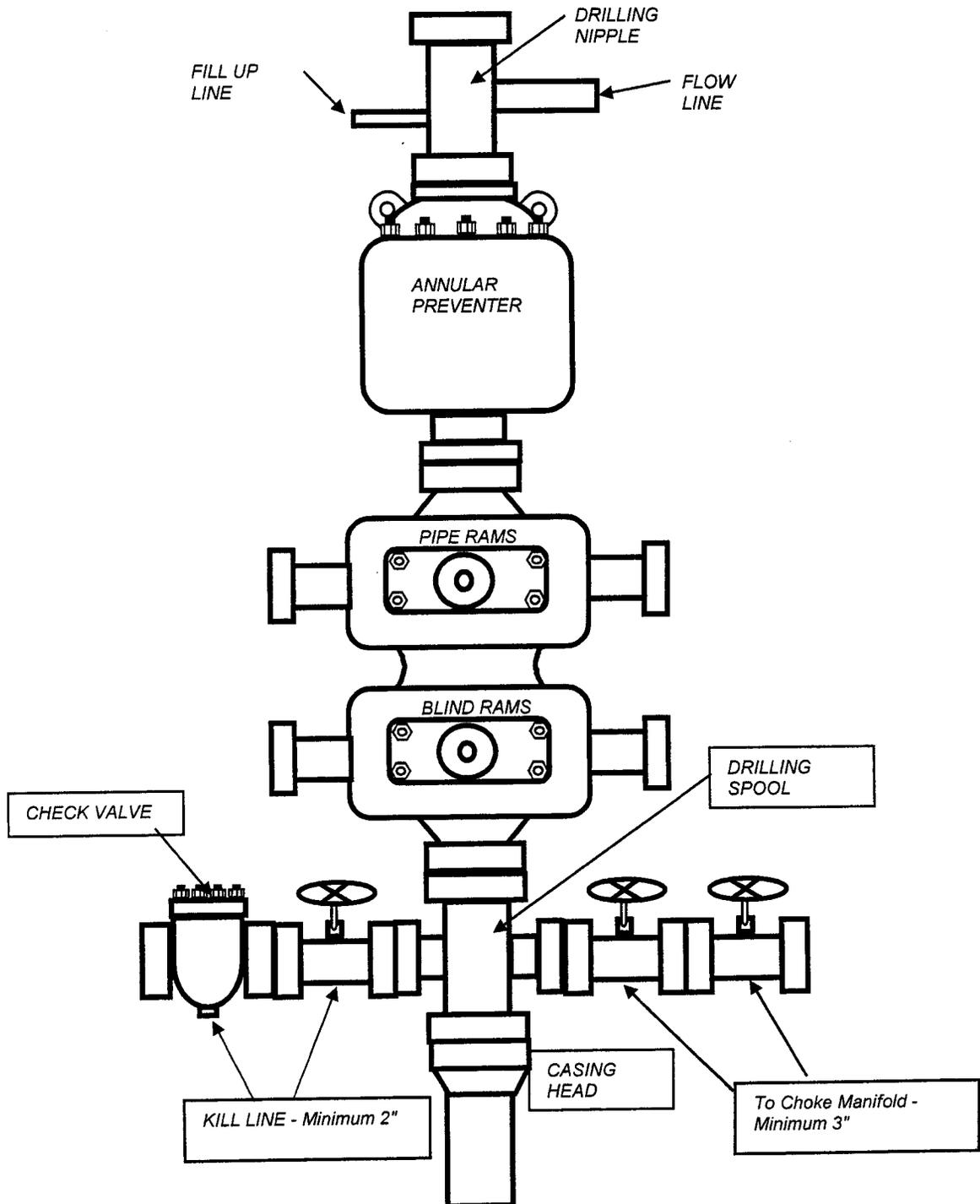
TYPICAL 3,000 p.s.i. CHOKE MANIFOLD



BOP AND PRESSURE CONTAINMENT DATA

BILL BARRETT CORPORATION

TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER



# **EXHIBIT D**

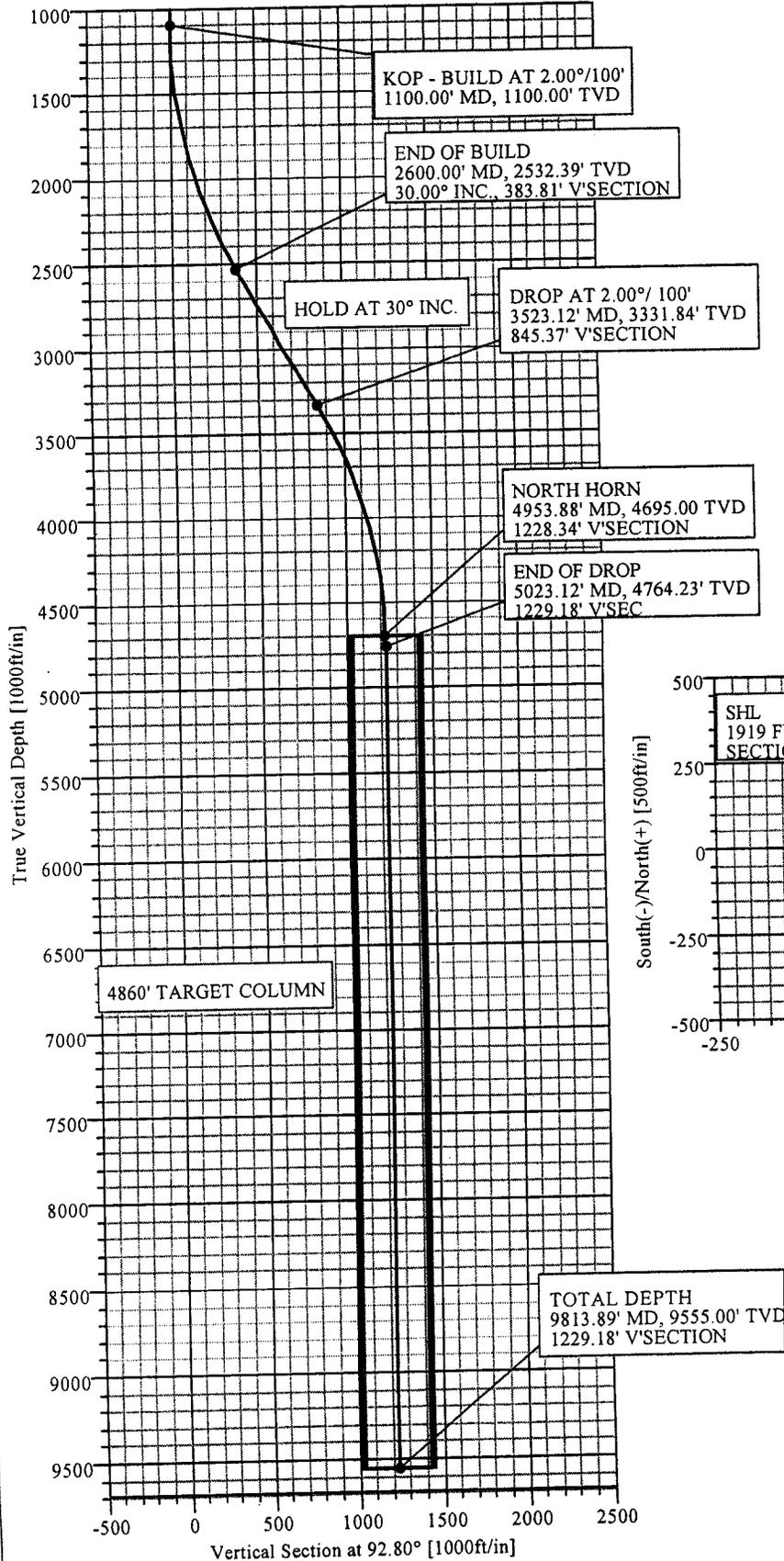


**Bill Barrett Corporation**

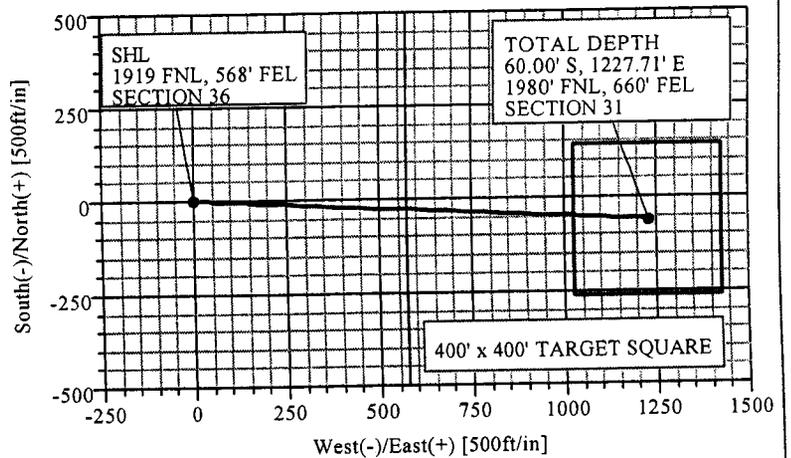
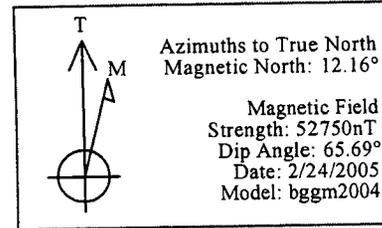
JACK CANYON UNIT #5-31D-12-16  
SHL: SEC 36 T12S R15E  
1919' FNL, 568' FEL  
CARBON COUNTY, UTAH

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	92.80	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2	1100.00	0.00	92.80	1100.00	0.00	0.00	0.00	92.80	0.00	END OF BUILD
3	2600.00	30.00	92.80	2532.39	-18.75	383.35	2.00	92.80	383.81	DROP
4	3523.12	30.00	92.80	3331.84	-41.30	844.36	0.00	0.00	845.37	END OF DROP
5	5023.12	0.00	92.80	4764.23	-60.00	1227.71	2.00	180.00	1229.18	TOTAL DEPTH
6	9813.89	0.00	92.80	9555.00	-60.00	1227.71	0.00	92.80	1229.18	



**PRECISION**  
ENERGY SERVICES  
DRILLING & EVALUATION SERVICES



COMPANY: BILL BARRETT CORP

WELL NAME: JCU #5-31D-12-16  
 LOCATION: CARBON COUNTY, UTAH  
 FILE: DRAFT  
 PROPOSAL/COMPLETION: PROPOSAL  
 DATE: FEB 24, 2005  
 PREPARED BY: RDW



# PROPOSAL

FOR



## JACK CANYON UNIT #5-31D-12-16

FROM SURFACE LOCATION:  
1919 FNL, 568' FEL IN THE NE/4 OF SEC 36-T12S-R15E  
CARDON COUNTY, UTAH

WELL FILE: **DRAFT**

February 24, 2005

PRECISION ENERGY SERVICES USA, INC.  
DRILLING & EVALUATION  
7090 Barton Drive  
Casper, Wyoming 82604  
Phone: (307) 577-8875 Fax: (307) 577-9182

**PRECISION ENERGY SERVICES**

Client : BILL BARRETT CORP.  
 Well Name : JACK CANYON UNIT #5-31D-12-16  
 Location : CARBON COUNTY, UTAH

Page : 1 of 3  
 Date : 2/24/2005  
 File : DRAFT

**KB Elevation : NA                      Gr Elevation : 7040.00**  
**Vertical Section Calculated Along Azimuth 92.80°**  
**All Bearings Are Along True North**

MD ft	Inc deg	Azi deg	TVD ft	North ft	East ft	V'Sect ft	D'Leg °/100	Build °/100	Turn °/100
<b>KOP - BUILD AT 2.00°/ 100'</b>									
1100.00	0.00	92.80	1100.00	0.00	0.00	0.00	0.00	0.00	0.00
1200.00	2.00	92.80	1199.98	-0.09	1.74	1.75	2.00	2.00	0.00
1300.00	4.00	92.80	1299.84	-0.34	6.97	6.98	2.00	2.00	0.00
1400.00	6.00	92.80	1399.45	-0.77	15.67	15.69	2.00	2.00	0.00
1500.00	8.00	92.80	1498.70	-1.36	27.85	27.88	2.00	2.00	0.00
1600.00	10.00	92.80	1597.47	-2.12	43.47	43.52	2.00	2.00	0.00
1700.00	12.00	92.80	1695.62	-3.06	62.53	62.60	2.00	2.00	0.00
1800.00	14.00	92.80	1793.06	-4.15	85.00	85.10	2.00	2.00	0.00
1900.00	16.00	92.80	1889.64	-5.42	110.84	110.98	2.00	2.00	0.00
2000.00	18.00	92.80	1985.27	-6.84	140.05	140.21	2.00	2.00	0.00
2100.00	20.00	92.80	2079.82	-8.43	172.56	172.77	2.00	2.00	0.00
2200.00	22.00	92.80	2173.17	-10.18	208.35	208.60	2.00	2.00	0.00
2300.00	24.00	92.80	2265.21	-12.09	247.38	247.67	2.00	2.00	0.00
2400.00	26.00	92.80	2355.84	-14.15	289.59	289.93	2.00	2.00	0.00
2500.00	28.00	92.80	2444.94	-16.37	334.93	335.33	2.00	2.00	0.00
<b>END OF BUILD - HOLD AT 30° INC.</b>									
2600.00	30.00	92.80	2532.39	-18.74	383.35	383.81	2.00	2.00	0.00
2700.00	30.00	92.80	2619.00	-21.18	433.29	433.81	0.00	0.00	0.00
2800.00	30.00	92.80	2705.60	-23.62	483.23	483.81	0.00	0.00	0.00
2900.00	30.00	92.80	2792.20	-26.06	533.17	533.81	0.00	0.00	0.00
3000.00	30.00	92.80	2878.80	-28.50	583.11	583.81	0.00	0.00	0.00
<b>WASATCH</b>									
3047.57	30.00	92.80	2920.00	-29.66	606.87	607.59	0.00	0.00	0.00
3100.00	30.00	92.80	2965.41	-30.94	633.05	633.81	0.00	0.00	0.00
3200.00	30.00	92.80	3052.01	-33.38	682.99	683.81	0.00	0.00	0.00
3300.00	30.00	92.80	3138.61	-35.82	732.93	733.81	0.00	0.00	0.00
3400.00	30.00	92.80	3225.21	-38.26	782.87	783.81	0.00	0.00	0.00
3500.00	30.00	92.80	3311.82	-40.70	832.81	833.81	0.00	0.00	0.00
<b>DROP AT 2.00°/ 100'</b>									
3523.12	30.00	92.80	3331.84	-41.27	844.36	845.37	0.00	0.00	0.00
3600.00	28.46	92.80	3398.93	-43.10	881.86	882.91	2.00	-2.00	0.00
3700.00	26.46	92.80	3487.65	-45.35	927.92	929.03	2.00	-2.00	0.00
3800.00	24.46	92.80	3577.94	-47.45	970.86	972.01	2.00	-2.00	0.00
3900.00	22.46	92.80	3669.66	-49.39	1010.62	1011.83	2.00	-2.00	0.00
4000.00	20.46	92.80	3762.73	-51.18	1047.16	1048.41	2.00	-2.00	0.00
4100.00	18.46	92.80	3857.01	-52.81	1080.44	1081.73	2.00	-2.00	0.00
4200.00	16.46	92.80	3952.39	-54.27	1110.41	1111.74	2.00	-2.00	0.00
4300.00	14.46	92.80	4048.77	-55.57	1137.04	1138.40	2.00	-2.00	0.00
4400.00	12.46	92.80	4146.02	-56.71	1160.29	1161.68	2.00	-2.00	0.00
4500.00	10.46	92.80	4244.02	-57.68	1180.14	1181.55	2.00	-2.00	0.00
4600.00	8.46	92.80	4342.65	-58.48	1196.56	1197.99	2.00	-2.00	0.00





## SURFACE USE PLAN

BILL BARRETT CORPORATION  
***Jack Canyon Unit #5-31D-12-16***  
SENE, 1919' FNL, 568' FEL (Surface)  
Section 36, T12S-R15E (Surface)  
SWNW, 1980' FNL, 660' FWL (Bottom Hole)  
Section 31, T12S-R16E (Bottom Hole)  
Carbon County, Utah

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The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

1. Existing Roads:

- A. **The proposed well site is located approximately 53 miles northeast of Myton, Utah and is located on SITLA surface.**
- B. Maps reflecting directions to the proposed well site and identifying the proposed pipeline have been included (See Topos B and C).
- C. The use of roads under State and County Road Department maintenance is necessary to access the Prickly Pear Unit. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.
- D. All existing roads will be maintained and kept in good repair during all phases of operation.
- E. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.
- F. Since no improvements are anticipated to the State, County or BLM access roads, no topsoil stripping will occur.
- G. **An off-lease SITLA Right-of-Entry and subsequent Special Use Lease and Permanenet Easement will be acquired across SITLA surface for the access road and utility corridor and will be in place prior to any construction activity.**

2. Planned Access Roads:

- A. Approximately 0.2 miles of new access road will need to be built on SITLA surface to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainage.
- B. The proposed access road will consist of a 16' travel surface within a 32' disturbed area.
- C. **SITLA Right-of-Entry approval to construct this access road will be applied for under separate cover.** The Right-of-Entry will be in place prior to any surface disturbing activities on state lands.
- D. The operator will be responsible for all maintenance of the existing access road including drainage structures.

3. Location of Existing Wells:

A. Following is a list of existing wells within a one-mile radius of the proposed well:

i.	water wells	none
ii.	injection wells	none
iii.	disposal wells	none
iv.	drilling wells	none
v.	temp shut-in wells	none
vi.	producing wells	none
vii.	abandoned wells	one
viii.	wells drilled, waiting on completion	none

4. Location of Production Facilities:

- A. All permanent structures will be painted a flat, non-reflective Olive Black to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (SHA) may be excluded.
- B. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.
- C. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162.7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.
- D. A tank battery will be constructed on this lease; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbon production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.
- E. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.
- F. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.
- G. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.
- H. **SITLA Right-of-Entry approval to construct a gas pipeline will be applied for under separate cover.** The proposed 794' gas pipeline corridor will leave the well site and be placed on the north side of the proposed access road, traverse northeast approximately 0.2 miles and tie into a proposed 10" pipeline (SITLA Easement No. 924).

- I. The gas pipeline will be a steel surface line of up to 10" diameter, coming off the well pad. BBC requests a 40' utility corridor to facilitate the staging of this pipeline construction.
  - J. BBC intends on installing the pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. BBC intends on connecting the pipeline together utilizing conventional welding technology.
5. Location and Type of Water Supply:
- A. Bill Barrett Corporation will utilize an existing water well located in Cottonwood Canyon on State Lands: Section 32-T12S-R16E; BBC was granted this authorization by SITLA Right of Entry #4534 (Water Right #90-1542) on August 21, 2002.
6. Source of Construction Material:
- A. The use of materials will conform to 43 CFR 3610.2-3.
  - B. No construction materials will be removed from BLM.
  - C. If any gravel is used, it will be obtained for a state approved gravel pit.
7. Methods of Handling Waste Disposal:
- A. All wastes associated with this application will be contained and disposed of utilizing approved facilities.
  - B. Drill cuttings will be contained and buried on site.
  - C. The reserve pit will be located outboard of the location and along the northern side of the pad.
  - D. The reserve pit will be constructed so as not to leak, break or allow any discharge.
  - E. The reserve pit will be lined with 12 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt-liner pad only if rock is encountered during excavation. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operations.
  - F. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

- G. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of annually in association with the drilling, testing or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities will be used, produced, stored, transported or disposed of in association with the drilling, testing or completion of the well.
- H. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Carbon or Uintah County Landfill.
- I. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.
- J. After initial clean-up, a 400 barrel tank will be installed to contain produced waste water. After first production, produced wastewater will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. Thereafter, produced water will be trucked to R & I Disposal, a State approved disposal facility.
- K. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.
- L. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Price or Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

- A. Garbage containers and portable toilets are the only ancillary facilities proposed in this application

9. Well Site Layout:

- A. The well will be properly identified in accordance with DOGM regulations.
- B. Access to the well pad will be from the northwest.
- C. The pad and road designs are consistent with BLM specifications.
- D. The pad has been staked at its maximum size of 340' x 150'; however, it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a Sundry Notice.
- E. All surface disturbing activities will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

- F. All cut and fill slopes will be such that stability can be maintained for the life of the activity.
- G. Diversion ditches will be constructed, if necessary, around the well site to prevent surface waters from entering the well site area.
- H. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.
- I. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.
- J. Pits will remain fenced until site cleanup.
- K. The blooie line will be located at least 100 feet from the well head.
- L. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plan for Restoration of the Surface:

- A. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.
- B. The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the BLM or the appropriate county extension office. On BLM administered land it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides, pesticides or possibly hazardous chemicals.
- C. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with DOGM regulations. Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.
- D. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top-soiled and revegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.
- E. Prior to reseeding the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the SITLA. The SITLA recommended seed mix will be detailed within their approval documents.

Bill Barrett Corp  
Surface Use Plan  
Jack Canyon Unit #5-31D-12-16  
Carbon County, Utah

11. Surface and Mineral Ownership:

- A. Surface ownership – School and Institutional Trust Land Administration – 675 East 500 South, Salt Lake City, UT 84102; (801) 538-5151.
- B. Mineral ownership – Federal under the management of the Bureau of Land Management – Price Field Office, 125 South 600 West, Price Utah 84078; (435) 636-3608.

12. Other Information:

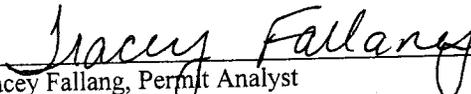
- A. A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC Report No. 03-10). Cultural clearance was recommended for this well site and access.
- B. Our understanding of the results of the onsite inspection are:
  - i. No threatened and endangered flora and fauna species were found during the onsite inspection.
  - ii. No drainage crossings that required additional State or Federal approval are being crossed.

13. Operator's Representative and Certification:

<u>Title</u>	<u>Name</u>	<u>Office Phone</u>
Company Representative (Roosevelt)	Fred Goodrich	(435) 722-3515
Company Representative (Denver)	Tracey Fallang	(303) 312-8168

Certification:

I hereby certify 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 Bill Barrett Corporation 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.

  
\_\_\_\_\_  
Tracey Fallang, Permit Analyst

Date: February 25, 2005

## **HAZARDOUS MATERIAL DECLARATION**

FOR WELL NO. JACK CANYON UNIT #5-31D-12-16 LEASE NO. UTU 074397

Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will not use, produce, or store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Super Amendments and Reauthorization Act (SARA) of 1986.

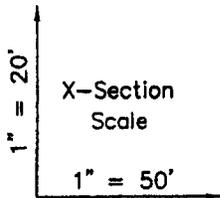
Bill Barrett Corporation guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport, or dispose less than the threshold planning quantity (TPQ) of any extremely hazardous substances as defined in 40 CFR 355.



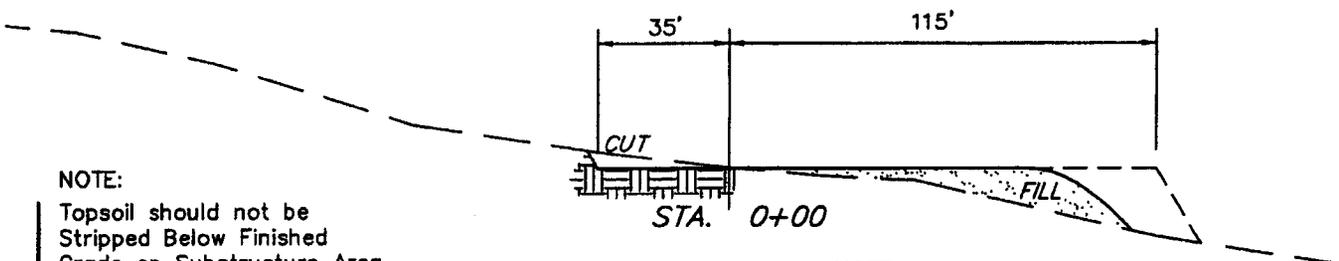
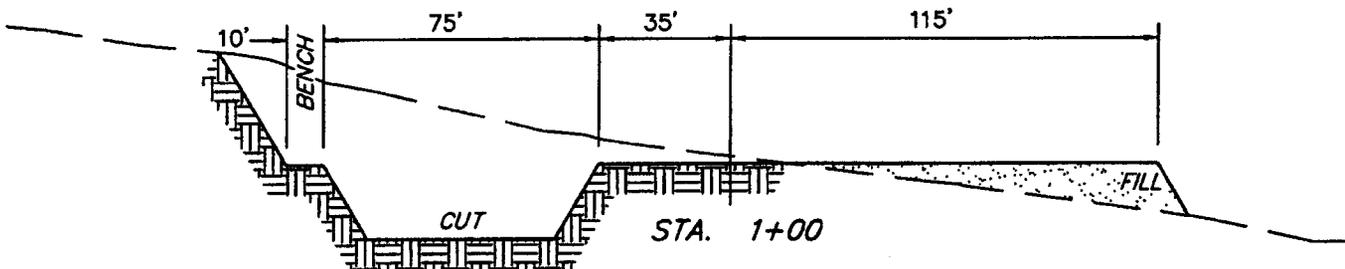
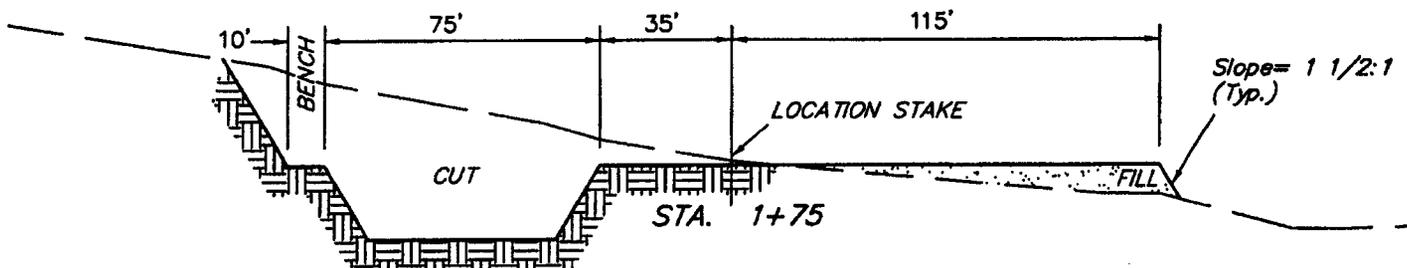
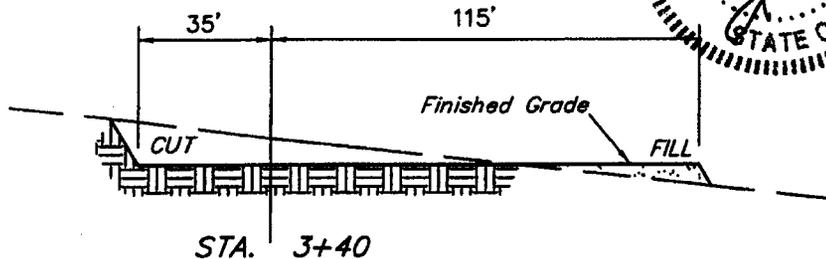
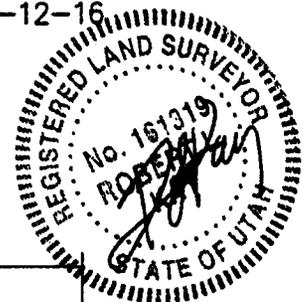
# BILL BARRETT CORPORATION

## TYPICAL CROSS SECTIONS FOR

PRICKLY PEAR #8-36 & JACK CANYON UNIT #5-31D-12-16  
SECTION 36, T12S, R15E, S.L.B.&M.  
SE 1/4 NE 1/4



DATE: 1-30-03  
DRAWN BY: C.G.  
REVISED: 02-18-05



NOTE:  
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,360 Cu. Yds.
Remaining Location	= 5,920 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 7,280 CU.YDS.</b>
<b>FILL</b>	<b>= 3,320 CU.YDS.</b>

EXCESS MATERIAL	= 3,960 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,330 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 1,630 Cu. Yds.

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

# BILL BARRETT CORPORATION

PRICKLY PEAR #8-36 & JACK CANYON UNIT #5-31D-12-16  
 LOCATED IN DUCHESNE COUNTY, UTAH  
 SECTION 36, T12S, R15E, S.L.B.&M.

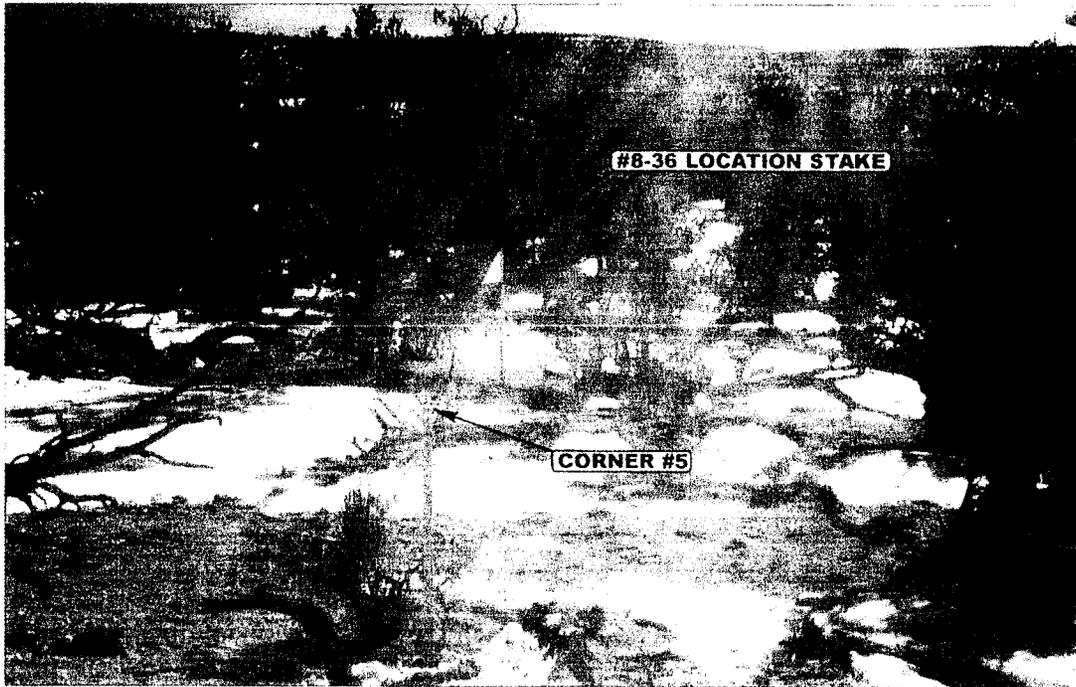


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

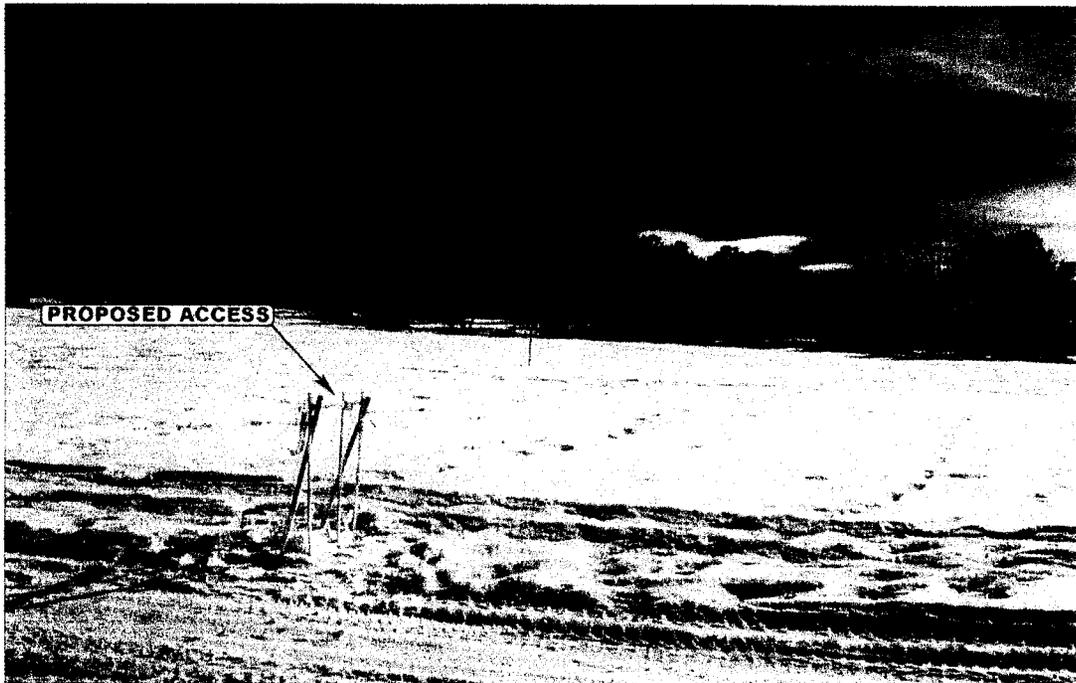


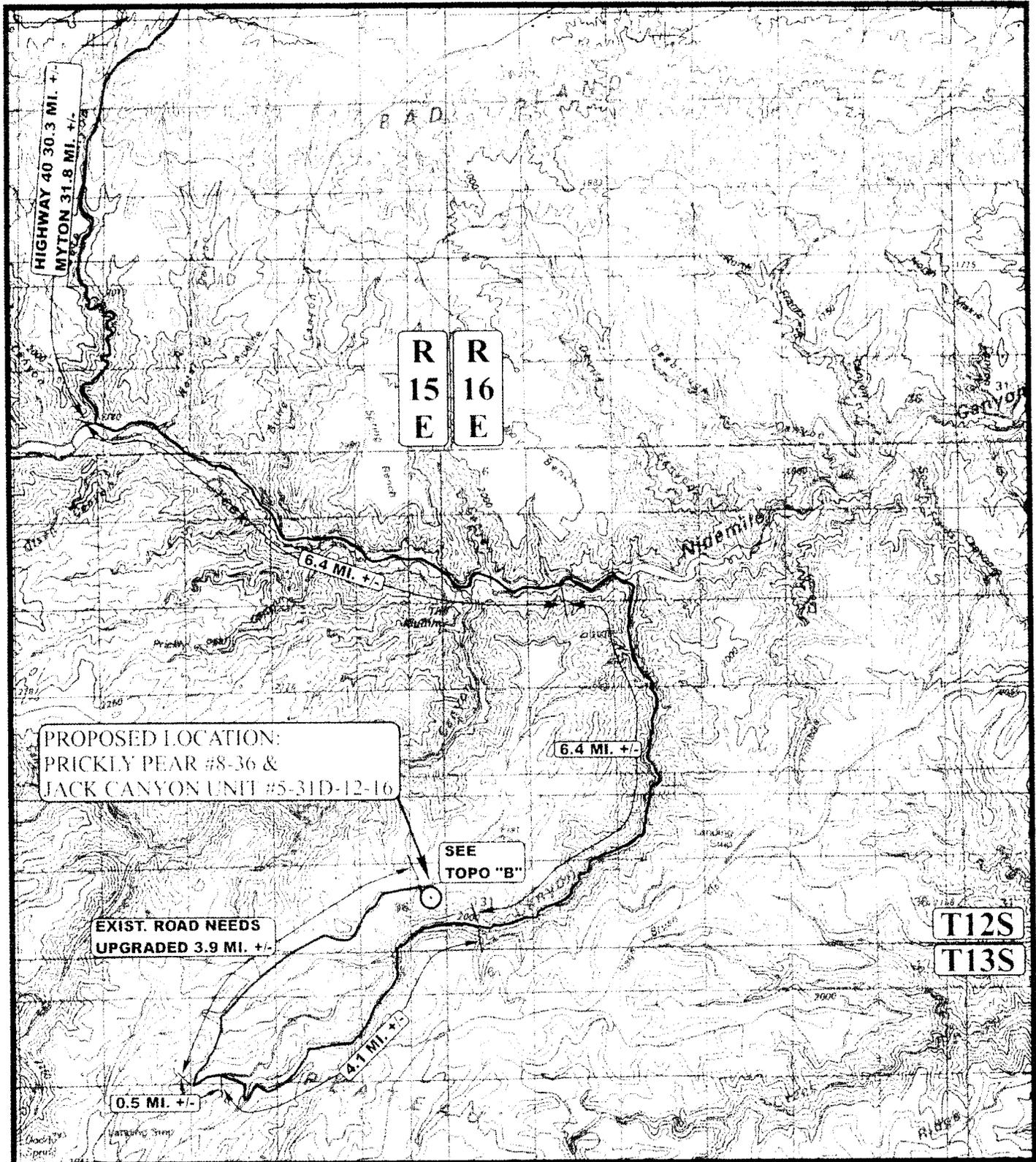
PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



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

LOCATION PHOTOS			1	23	03	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY G.S.	DRAWN BY J.L.G.	REVISED: 2-18-05				



**LEGEND:**

○ PROPOSED LOCATION



**BILL BARRETT CORPORATION**

PRICKLY PEAR #8-36 & JACK CANYON UNIT #5-31D-12-16  
SECTION 36, T12S, R15E, S.L.B.&M.  
SE 1/4 NE 1/4



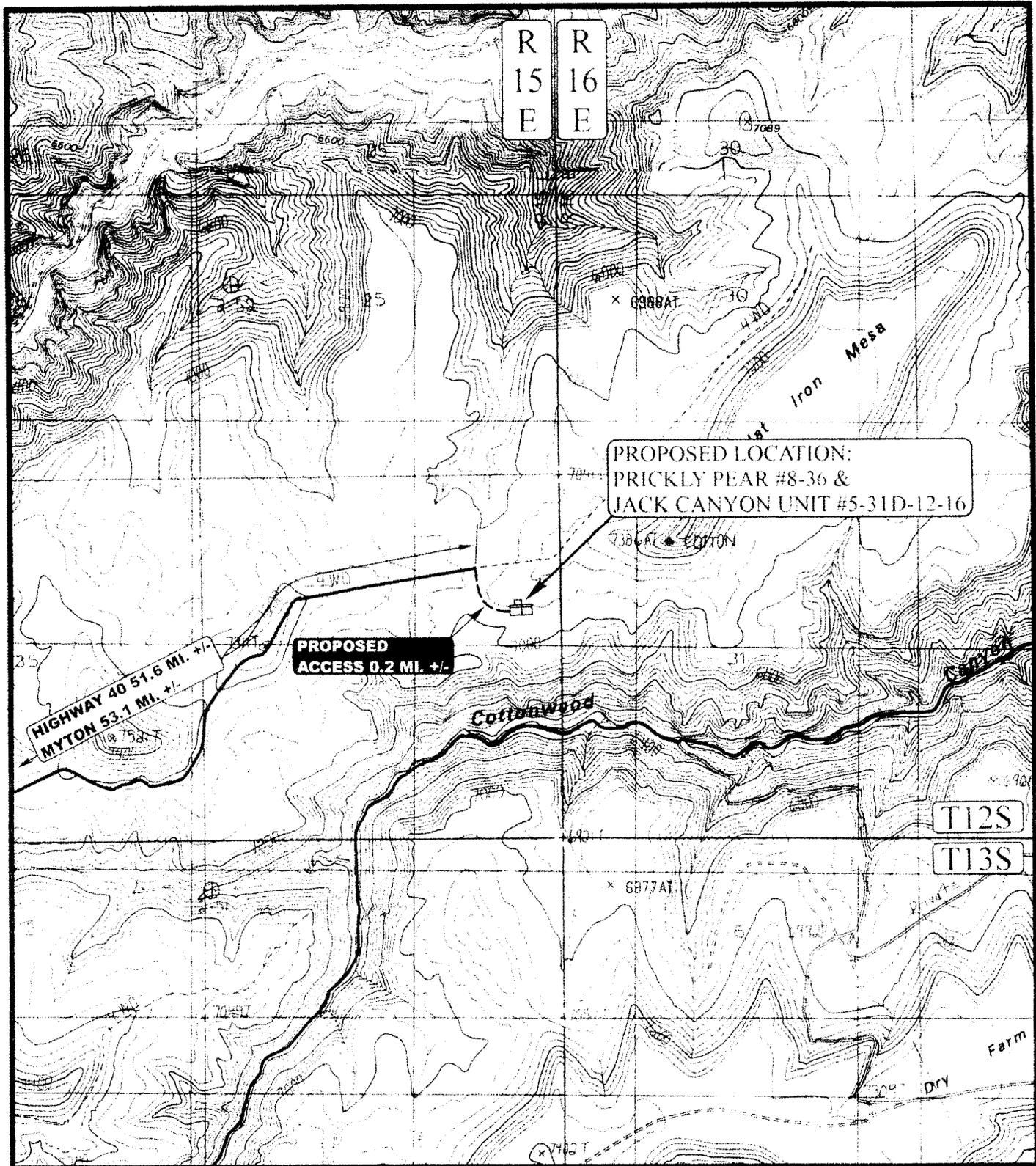
Uintah Engineering & Land Surveying  
85 South 700 East, Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

<b>1</b>	<b>23</b>	<b>03</b>
MONTH	DAY	YEAR

SCALE: 1" = 100,000' DRAWN BY: J.L.G. REVISED: 2-18-05





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD

**BILL BARRETT CORPORATION**

PRICKLY PEAR #8-36 & JACK CANYON UNIT #5-31D-12-16  
 SECTION 36, T12S, R15E, S.L.B.&M.  
 SE 1/4 NE 1/4

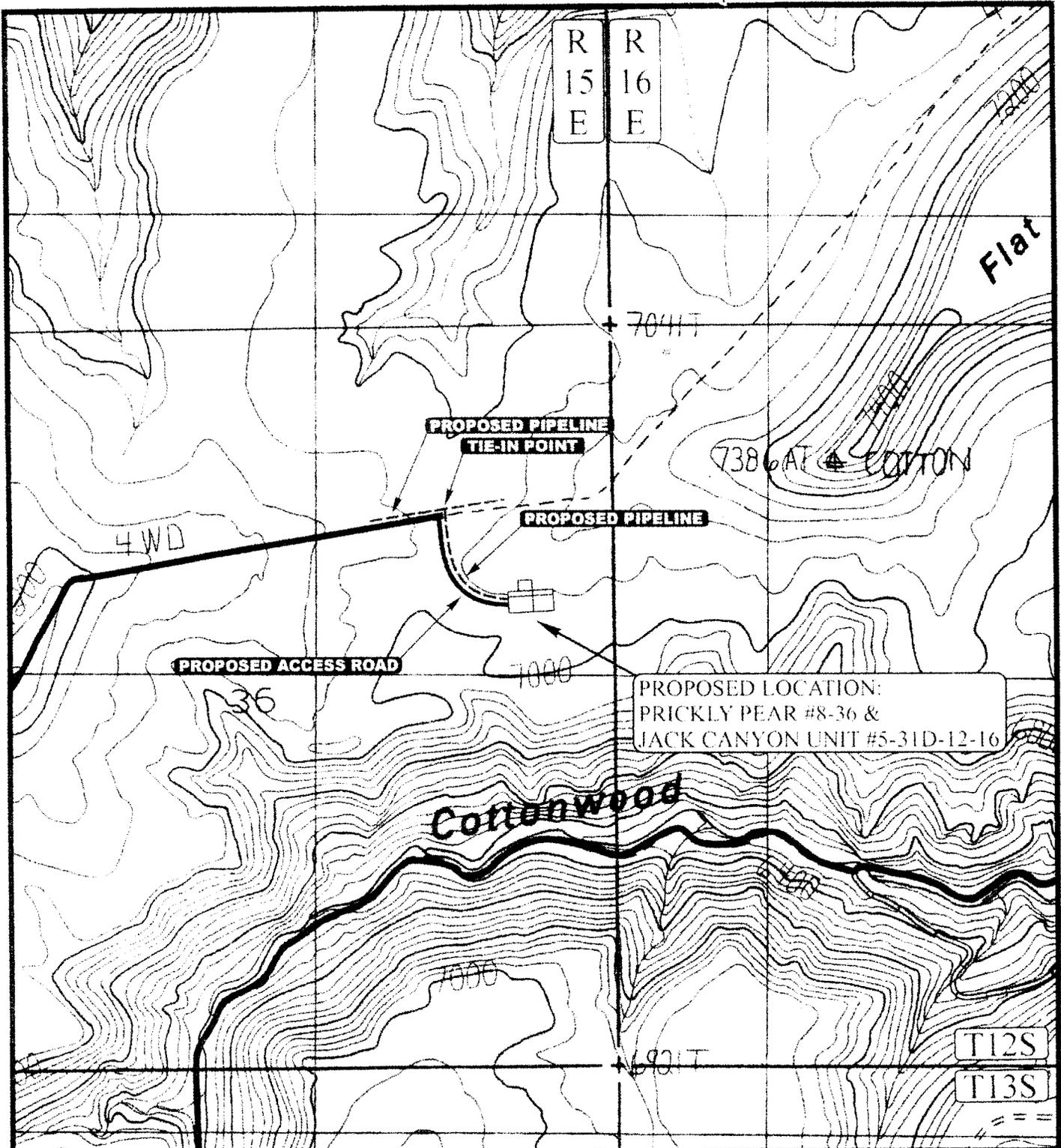


Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC** 1 23 03  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 2-18-05





APPROXIMATE TOTAL PIPELINE DISTANCE = 794' +/-

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

**BILL BARRETT CORPORATION**

PRICKLY PEAR #8-36 & JACK CANYON UNIT #5-31D-12-16  
SECTION 36, T12S, R15E, S.L.B.&M.  
SE 1/4 NE 1/4



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