

002



6825 South 5300 West  
P.O. Box 851  
Price, UT 84501  
phone 435.613.9777  
fax 435.613.9782

June 17, 2003

Ms Diana Mason  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
SLC, Utah 84114-5801

RE: Application for Permit to Drill-  
Utah 3-647, NW/4 NW/4 Sec. 3  
T15S, R10E, SLB & M, Carbon County, Utah

Dear Ms. Mason:

Enclosed is the original of the *Application for Permit to Drill (APD)*. Included with the APD is the following information:

Exhibit "A"- Survey Plat of the Proposed Well Site;

Exhibit "B" - Proposed Location Map with Pipeline, Power, and Road Access;

Exhibit "C" - Drilling Site Layout;

Exhibit "D" - Drilling Information

Exhibit "E" - Multipoint Surface Use Plan

Exhibit "F" - Typical Road Cross-section;

Exhibit "G" - BOP Diagram;

Exhibit "H" - Typical Wellhead Manifold;

Exhibit "I" - Evidence of Bond;

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**JUN 30 2003**

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

**FILE COPY**

**CONFIDENTIAL**

Utah 3-647  
Page 2

This proposed well is located outside of and more than 460 feet from the exterior boundary of the Drunkards Wash Federal Unit. Based on topographic constraints in the area, however, the proposed location, 894' FNL and 914' FWL, is outside of the "spacing window" specified by the general state location and siting rule and will be an exception location under Utah Administrative Code Rule R649-3-2. For this well, as shown on the APD Exhibit A, 1 of 3, ConocoPhillips Company is the only "owner" of record for all leased acreage within 460' of the proposed well bore. Therefore, the requirements for approval of an exception location should be satisfied as required under Utah Administrative Code Rule R649-3-3.

Please accept this letter as ConocoPhillips' written request for confidential treatment of all information contained in and pertaining to this permit application, if said information is eligible for such consideration.

Thank you very much for your timely consideration of this application. Please feel free to contact me if you have any questions.

Sincerely,



Jean Semborski  
Permitting Supervisor

cc: Mr. Eric Jones, BLM, Moab, Utah  
Mr. Gene Herrington, Texaco  
Mr. John Lennon, Dominion Resources  
Mr. Don Stephens, BLM, Price, Utah  
Ms. Jane Strickland, ConocoPhillips  
Mrs. Deanna Walker, ConocoPhillips  
Mr. Mark Jones, DOGM, Price, Utah  
ConocoPhillips Well File

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

FORM 3

001

AMENDED REPORT   
(HIGHLIGHT CHANGES)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO. ML-46732	6. SURFACE State
1A. Type of Work: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER: SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: <i>Undesignated</i> <del>Drunkards Wash UTU 67921X</del>	
2. NAME OF OPERATOR: ConocoPhillips Company		9. WELL NAME and NUMBER: Utah 03-647	
3. ADDRESS OF OPERATOR: 6825 South 5300 West, P.O. Box 851, Price, Utah 84501 CITY STATE ZIP		PHONE NUMBER: (435) 613-9777	10. FIELD AND POOL, OR WILDCAT: <del>Drunkards Wash</del> <i>Undesignated</i>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 894' FNL, 914' FWL AT PROPOSED PRODUCING ZONE:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/4 NW/4 Section 03, T15S, R10E, SLB&M	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 3.2 miles South of Price, UT		12. COUNTY: Carbon	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 412'	16. NUMBER OF ACRES IN LEASE: 477.44	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 160 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 2000'	19. PROPOSED DEPTH: 1270'	20. BOND DESCRIPTION: Rotary	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.) 5566.3' GR	22. APPROXIMATE DATE WORK WILL START: October 2003	23. ESTIMATED DURATION:	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
14"	12 3/4" Conductor	40'	
11"	J-55 8 5/8" 24#/ft	127'	107 sks G+2&CaCl+1/4#/sk floccel
7 7/8"	N-80 5 1/2" 17#/ft	1260'	90 sks 50/50poz8%gel+2%CaCl+1%extender
			75 sks "G" thixotropic

25. **ATTACHMENTS**

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

**CONFIDENTIAL**

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <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 & Signature: Jean Semborski *Jean Semborski* Title: Permitting Supervisor Date: 6/11/03

(This space for state use only)

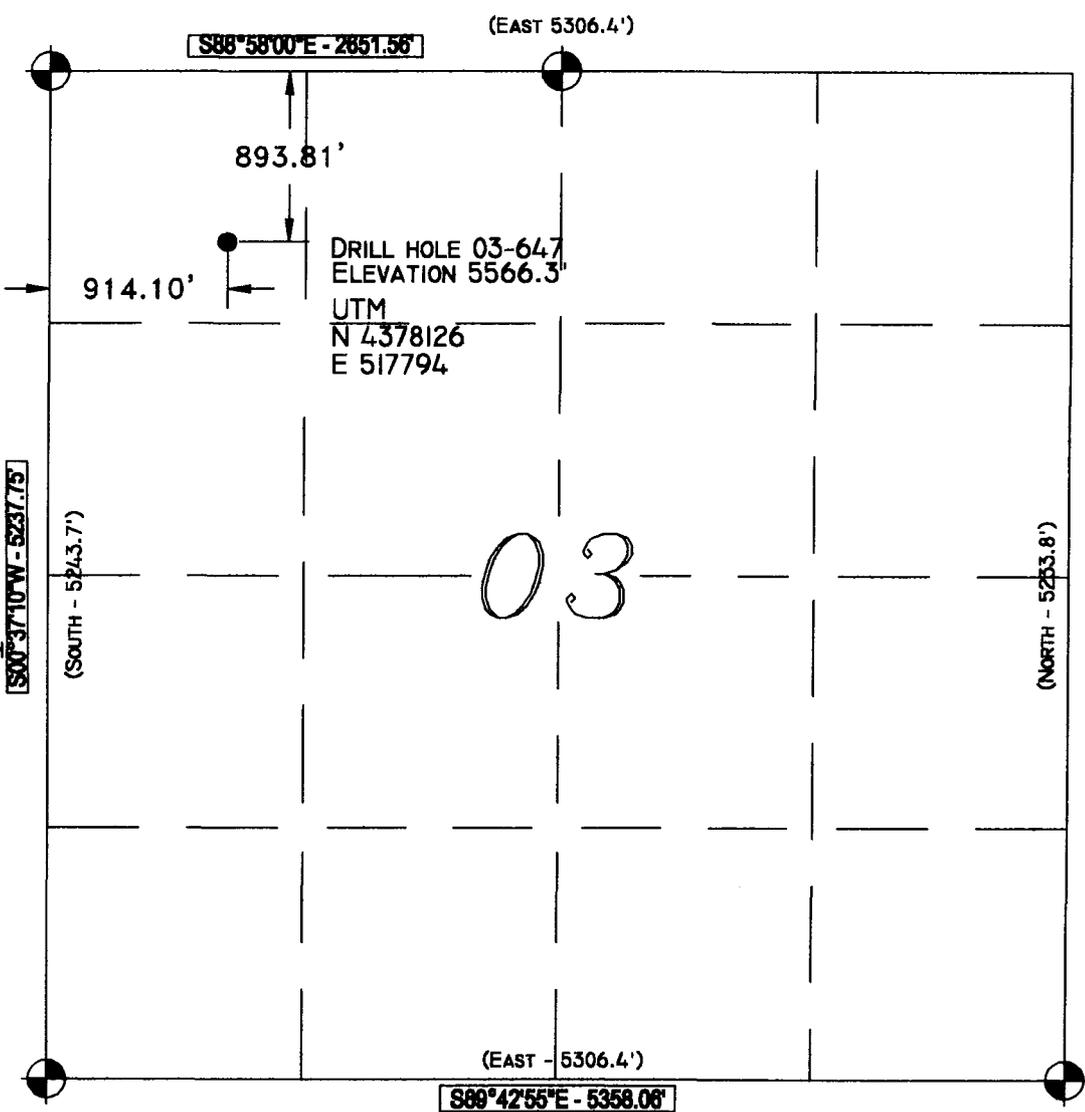
API Number Assigned: 43-007-30929

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
Approval:  
Date: 07-22-03  
(See Instructions on Reverse Side)

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JUN 01 2003 JUN 30 2003  
DIV. OF OIL, GAS & MINING  
DIV. OF OIL, GAS & MINING

# Range 10 East

Township 15 South



**Location:**

THE WELL LOCATION WAS DETERMINED USING A TRIMBLE 4700 GPS SURVEY GRADE UNIT.

**Basis of Bearing:**

THE BEARINGS INDICATED ARE PER THE RECORDED PLAT OBTAINED FROM THE U.S. LAND OFFICE.

**Basis of Elevation:**

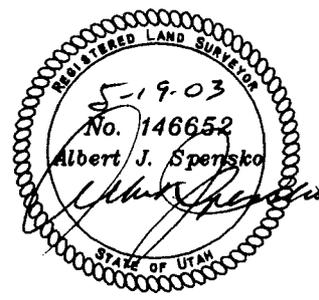
BASIS OF ELEVATION OF 5778' BEING AT THE SOUTHWEST SECTION CORNER OF SECTION 3, TOWNSHIP 15 SOUTH, RANGE 10 EAST, SALT LAKE BASE AND MERIDIAN, AS SHOWN ON THE PRICE QUADRANGLE 7.5 MINUTE SERIES MAP.

**Description of Location:**

PROPOSED DRILL HOLE LOCATED IN THE NW1/4, NW1/4 OF SECTION 3, T15S, R10E, SLB&M, BEING 893.92' SOUTH AND 914.10' EAST FROM THE NORTHWEST SECTION CORNER OF SECTION 3, T15S, R10E, SALT LAKE BASE & MERIDIAN.

**Surveyor's Certificate:**

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



**TALON RESOURCES INC**

195 North 100 West  
Huntington, UT. 84528  
Ph: 435-687-5310  
Fax: 435-687-5311

**ConocoPhillips Company**

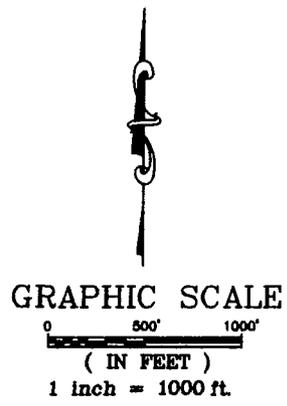
WELL # 03-647  
Section 03, T15S, R10E, S.L.B.&M.  
Carbon County, Utah

Drawn By: BEN SCOTT	Checked By: L.W.J. / A.J.S.
Drawing No. A-1	Date: 05/16/03
	Scale: 1" = 1000'
Sheet 1 of 1	Job No. 1085

- Legend**
- Drill Hole Location
  - ⊕ Brass Cap (Found)
  - Brass Cap (Searched for, but not found)
  - △ Calculated Corner
  - ( ) GLO
  - GPS Measured

**NOTES:**  
1. UTM AND LATITUDE / LONGITUDE COORDINATES ARE DERIVED USING A GPS PATHFINDER AND ARE SHOWN IN NAD 83/WGS 84 DATUM.

LAT / LONG
39°31'00"N
110°47'43"W



EXPLORATION



# SENCO-PHENIX

**AN INTENSIVE CULTURAL RESOURCE SURVEY AND INVENTORY  
OF THE UTAH 3-647, UTAH 3-648 WELL PADS & ACCESS CORRIDORS  
AND THE UTAH 10-649 PIPELINE CORRIDOR  
IN THE CONOCOPHILLIPS COMPANY COAL METHANE GAS FIELD**

CARBON COUNTY, UTAH  
(SITLA Land)

PERFORMED FOR  
ConocoPhillips Company

In Accordance with  
Utah State Guidelines  
Antiquities Permit U03SC0121s

SPUT-449  
March 27, 2003

John A. Senulis  
Direct Charge of Fieldwork

**RECEIVED**  
**JUN 30 2003**  
DIV. OF OIL, GAS & MINING

# UTAH SHPO COVER SHEET

Project Name: AN INTENSIVE CULTURAL RESOURCE SURVEY AND INVENTORY OF THE UTAH 3-647, UTAH 3-648 WELL PADS & ACCESS CORRIDORS AND THE UTAH 10-649 PIPELINE CORRIDOR IN THE CONOCOPHILLIPS COMPANY COAL METHANE GAS FIELD

ConocoPhillips Company

State #U03SC0121s

Report Date: March 27, 2003

County (ies): Carbon

Principal Investigator/ Field Supervisor: John A. Senulis/John Senulis

Records Search/Location/Dates: March 10, 2003 Price River Field Office of the BLM

Acreage Surveyed: 65 acres

Intensive Acres: 65

Recon/Intuitive Acres: 0

U.S.G.S. 7.5 Quads: Price, Utah (1972)

Sites Reported	Number	Smithsonian Site #(s):
Archeological Sites:	1	42CB1040
Revisit (No IMACS update)	1	42CB1040
Revisit (IMACS update attch.)	0	
New Sites (IMACS attached)	0	
Archeological Site Total:	1	
Historic Structures: (USHS Site Form Attached)		
Total NRHP Eligible Sites,	1	42CB1040

---

#### Checklist of Required Items:

1. X 1 Copy of Final Report
2. X Copy of U.S.G.S. 7.5' map showing surveyed/excavated area
3. Completed IMACS Site Inventory Forms Including
  - \_\_\_\_\_ Parts A and B or C
  - \_\_\_\_\_ IMACS Encoding Form
  - \_\_\_\_\_ Site Sketch Map
  - \_\_\_\_\_ Photographs
  - \_\_\_\_\_ Copy of USGS 7.5' Quad with Smithsonian site Number
4. X Completed Cover Sheet

## Abstract

SESCO-PHENIX performed an intensive cultural resource survey on the Utah 3-647 and Utah 3-648 well pads and access corridors and the Utah 10-649 pipeline within the ConocoPhillips Company Coalbed Methane Gas Field. The proposed project is located on land managed by the School and Institutional Trust Land (SITLA). The purpose of the survey was to identify and evaluate cultural resources that may exist within the project area. One previously recorded site was located.

The cultural resource located was previously recorded site 42CB1040, the historic Carbon Canal. The proposed Utah 10-649 pipeline will parallel the canal for ca. 2/3 mile but will not impact the canal. None of the characteristics that make the canal system eligible for the National Register of Historic Places will be altered.

No other cultural resources were located and the potential for undetected remains is remote. A finding of No Effect is appropriate and Archeological Clearance is recommended.



### Project Location

The survey area is in Sections 3, 4 and 10, Township 15 South, Range 10 East, Carbon County, Utah. The Utah 3-647 access corridor begins at an improved county road and runs northerly 500 feet to the well pad. An additional 800-foot corridor running north to the Section 3 line was surveyed for future development. The access corridor for the Utah 3-648 well will begin at the same county road and run southerly 2,000 feet to the proposed well pad. An offshoot pipeline from the corridor will run southwesterly 1,100 feet to the existing Peirce 4-494 well. The 3,000-foot pipeline for the Utah 10-649 well will begin at the previously surveyed Utah 10-649 proposed well location and run northerly, paralleling the Carbon Canal to an existing pipeline. The project area is shown on the enclosed copy of U.S.G.S. 7.5' Quad: Price, Utah (1972). The well pads were staked and the access corridors were pinflagged.

### Specific Environment

The Utah 10-649 pipeline survey area begins in Upper Miller Creek valley. The project is in very barren, heavily eroded Mancos Shale rolling hills. What vegetation does occur is sparse sagebrush, juniper and intrusive grasses on the banks of the Carbon Canal. Much of the area has been disturbed by off road vehicles and by use as a gun range. There is no permanent natural water in the project area.

The Utah 3-647 and Utah 3-648 survey area is also mainly very barren eroded Mancos Shale rolling hills. There is permanent water in the project area in the form of alkaline springs that give rise to an un-named branch of the Price River. There are marshy areas and riparian vegetation along the un-named streambed. Much of this area is made land from ill-fated attempts at agriculture.

### Previous Research

A file search of the SENCO-PHENIX reports and at the Price Resource Area BLM office by John and Jeanne Senulis on March 10, 2003, indicated that the following projects had been conducted.

- 1981 to 1982, Various seismic lines projects were conducted in Sections 3, 4, and 10. No cultural resources were located in the project area. (#82-20)
- 1989, AERC surveyed the proposed Ridge Road. Cultural resources were located. Site 42CB577, the Price-Wellington Canal was recorded. The site was not recommended for nomination to the National Register of Historic Places (NRHP). (89-301)
- 1995, Powers Elevation surveyed various projects for RGC in other sections. Previously recorded site 42CB1040, the historic Carbon canal, exists in Section 9 and 10. The historic Carbon Canal was begun in the early part of this century and consists of an unlined main ditch with associated gates, ditches and feeders. The site is eligible for the NRHP. The site is within the current project area.
- 1996, Baseline Data Inc. surveyed a fiber optic line along Ridge Road. Two insignificant paleontology sites were recorded. No cultural resources were located in close proximity to the project area. (96-186)
- 1998, SENCO-PHENIX surveyed the Utah #09-412 well pad and access corridor in Section 9. No cultural resources were located. (99-278)
- 1999, SENCO-PHENIX surveyed four well pads and access corridors in Sections 9 and 16. Cultural resource site 42CB1347 was located. The site is a historic homestead complex dating from the turn of the century to comparatively recent time. The site has a buried dump with good information potential and was recommended for

nomination to the National Register of Historic Places. The site is well beyond the current project area. (99-278)

- 1999, SENCO-PHENIX surveyed two well pads and access corridors in Section 9 and 16. Cultural resources were located in the form of site 42CB1477. The site is a large, historic dumpsite located at the base of a knoll. The site measures 200 X 100 meters. The site is a repeatedly used dumpsite with at least 15 separate dumping episodes. The site was not recommended for nomination to the NRHP. (99-568)
- 2000, SENCO-PHENIX surveyed the Utah 9-450 well location. Cultural resources located included site 42CB1562, a multi-episode late historic, disturbed dump. The site was not recommended for nomination to the NRHP. (00-558)
- 2003, SENCO-PHENIX surveyed the Utah 10-649 well location. Cultural resources located included historic trash scatter 42CB1833 and the historic Carbon Canal (42CB1040). (03-112)

### Methodology

John & Jeanne Senulis and Cathy Dodt-Ellis of SENCO-PHENIX performed a Class III intensive walkover survey of the well pads, ten-acre buffers and 300-foot wide access corridors on March 11, 14 and 26, 2003. Meandering transects no further spaced than 15 meters were employed. Special attention was given to areas of subsurface soil exposure from animal burrowing, off road vehicle traffic and construction. All field notes and digital photographs are on file at the offices of SENCO-PHENIX in Price, Utah.

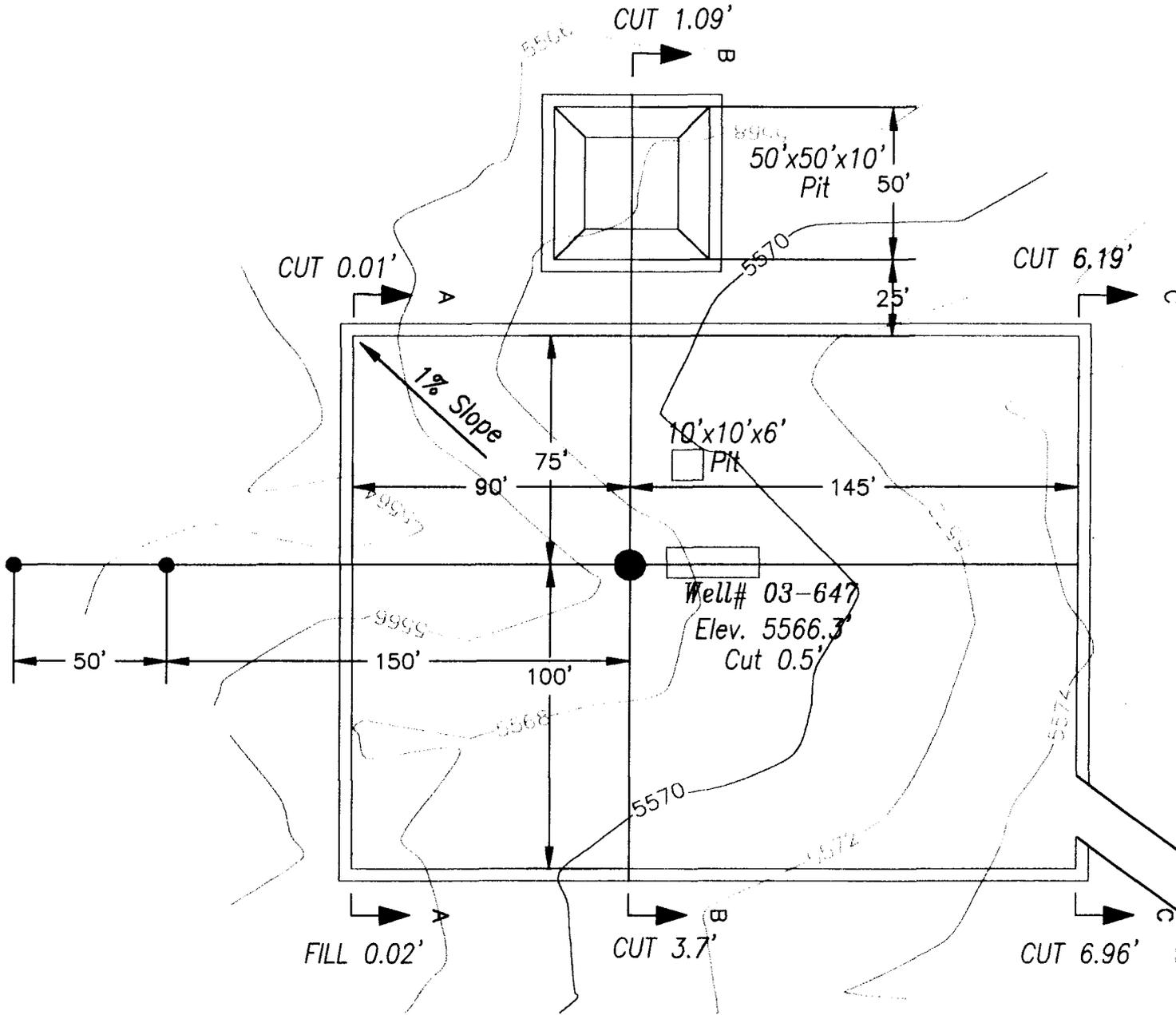
### Findings and Recommendations

One previously recorded site was located.

The cultural resource located was previously recorded site 42CB1040, the historic Carbon Canal. The proposed Utah 10-649 pipeline will parallel the canal for ca. 2/3 mile but will not impact the canal. None of the characteristics that make the canal system eligible for the National Register of Historic Places will be altered.

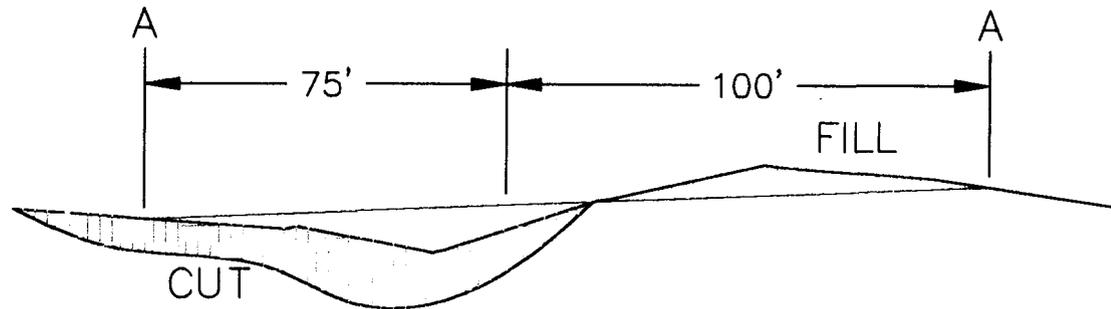
No other cultural resources were located and the potential for undetected remains is remote. A finding of No Effect is appropriate and Archeological Clearance is recommended.

Elevation of Ungraded Ground at Location Stake = 5566.3'  
 Elevation of Graded Ground at Location Stake = 5565.8'

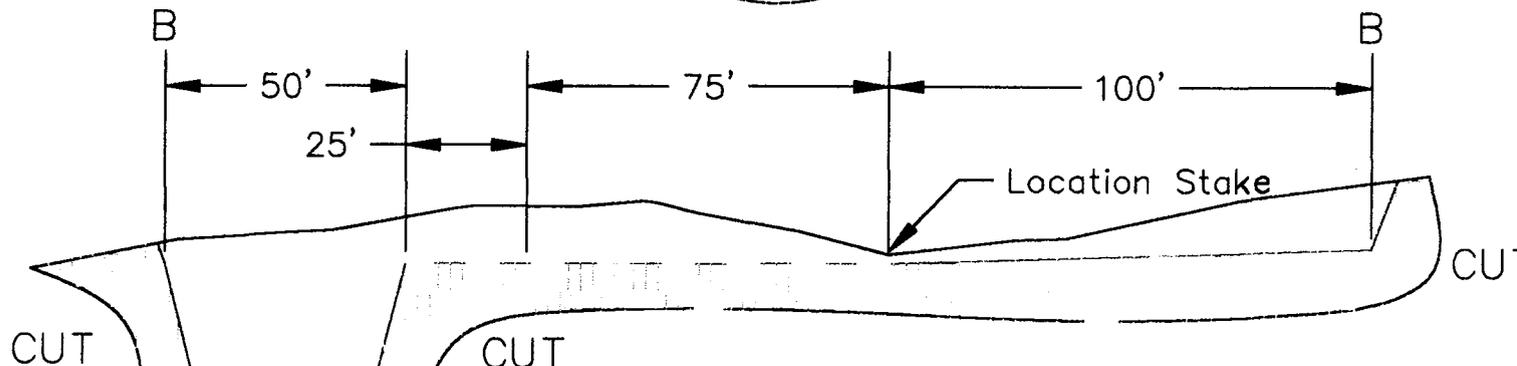


  
**TALON RESOURCES, INC.**  
 195 North 100 West P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talon@stv.net

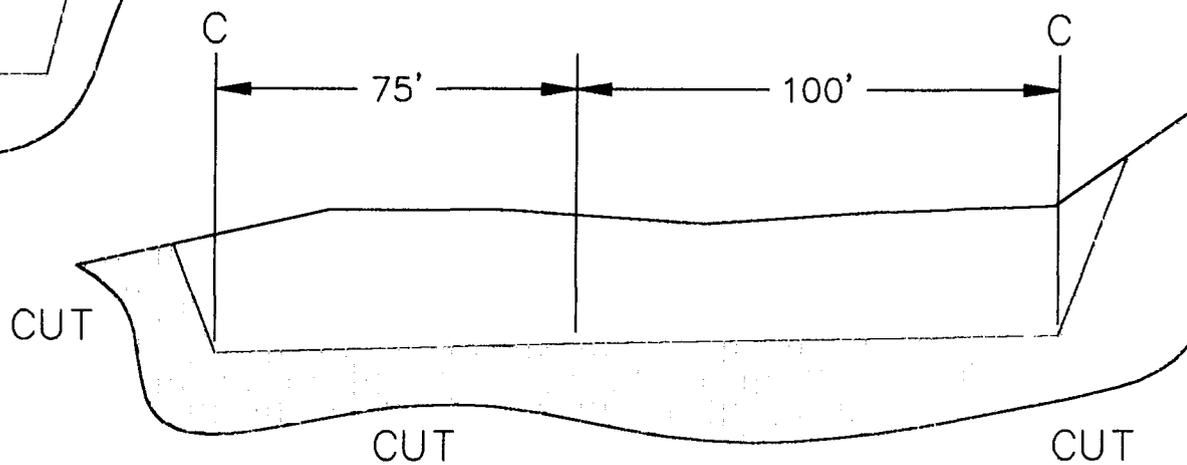
<b>ConocoPhillips Company</b>	
<b>LOCATION LAYOUT</b> Section 03, T15S, R10E, S.L.B.&M. <b>WELL # 3-647</b>	
Drawn By: <b>BEN SCOTT</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>A-2</b>	Date: <b>05/16/03</b>
	Scale: <b>1" = 50'</b>
Sheet <b>2</b> of <b>4</b>	Job No. <b>1085</b>



1"=10'  
X-Section  
Scale  
1"=40'



Slope = 1 1/2 : 1  
(Except Pit)  
Pit Slope = 1 ; 1



**TALON RESOURCES, INC**  
196 North 100 West P.O. Box 1230  
Huntington, Utah 84528  
Phone (436)687-5310 Fax (436)687-5311  
E-Mail talonnetv.net

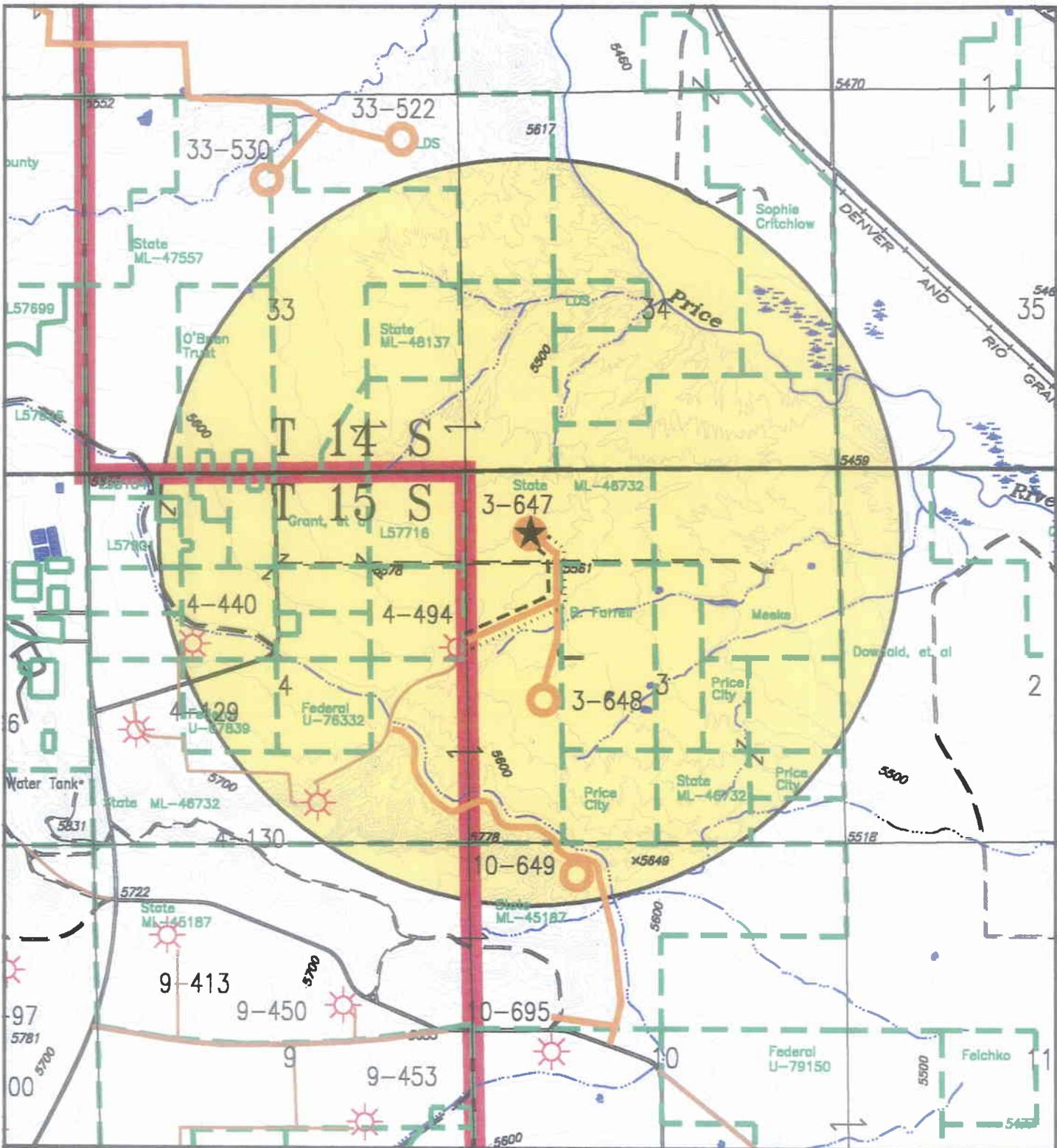
**ConocoPhillips Company**

TYPICAL CROSS SECTION  
Section 03, T15S, R10E, S.L.B.&M.  
WELL # 03-647

Drawn By: BEN SCOTT	Checked By: L.W.J.
Drawing No. C-1	Date: 04/16/03
	Scale: 1" = 40'
Sheet 3 of 4	Job No. 1085

APPROXIMATE YARDAGES

CUT  
(6") Topsoil Stripping = 750 Cu. Yds.  
Remaining Location = 6100 Cu. Yds.  
TOTAL CUT = 5729 Cu. Yds.  
TOTAL FILL = 160.98 Cu. Yds.



**LEGEND**

- Proposed Well Location: ★
- Other Proposed Well Locations: ○
- Proposed Powerline: - - - -
- Proposed Pipeline: — — — —
- Proposed Roads: — — — —
- Lease Boundary: — — — —
- Existing Wells: \* (sun symbol)



Scale: 1" = 2000'

May 30, 2003

ConocoPhillips Company  
 6825 South 5300 West  
 P.O. Box 851  
 Price, Utah 84501  
 Phone: (435) 613-9777  
 Fax: (435) 613-9782



**WELL # 3-647**  
**Section 3, T15S, R10E, S.L.B.&M.**  
**Exhibit B 1 of 2**

**EXHIBIT C**

APPROXIMATE LAYOUT OF RIG & EQUIPMENT

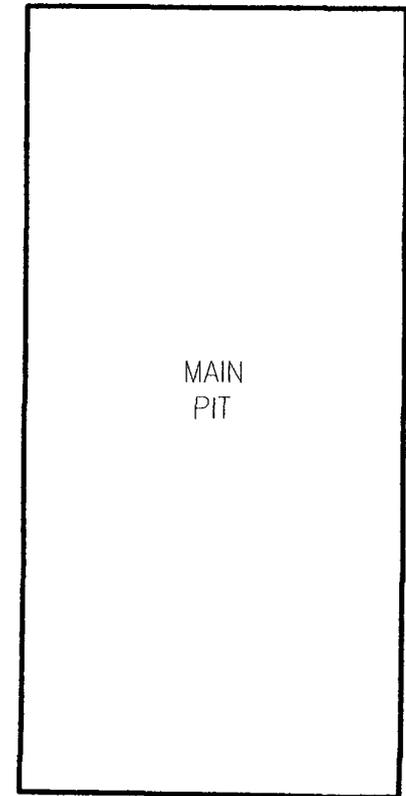
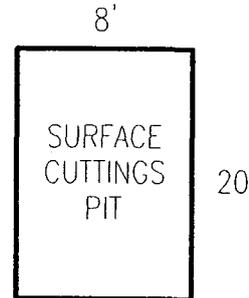
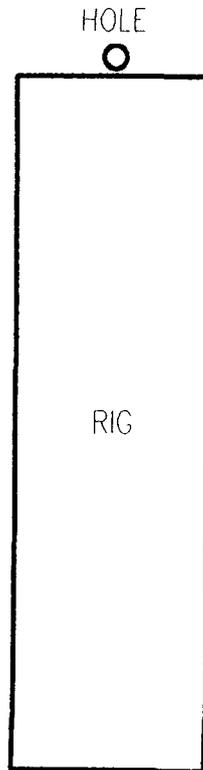
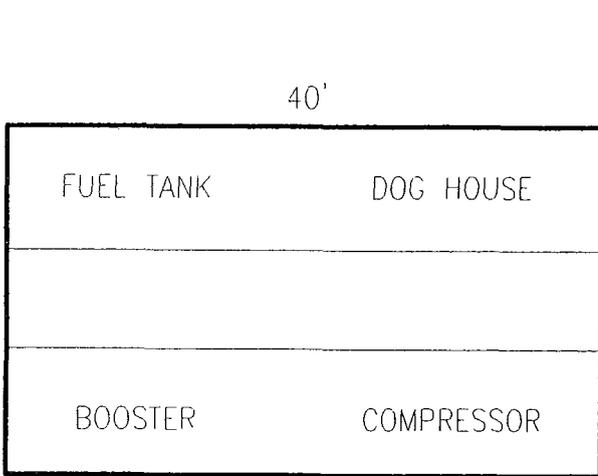
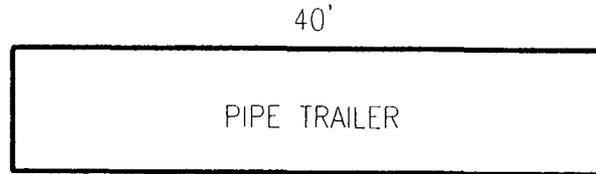
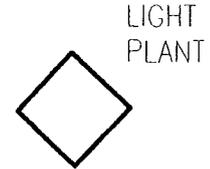
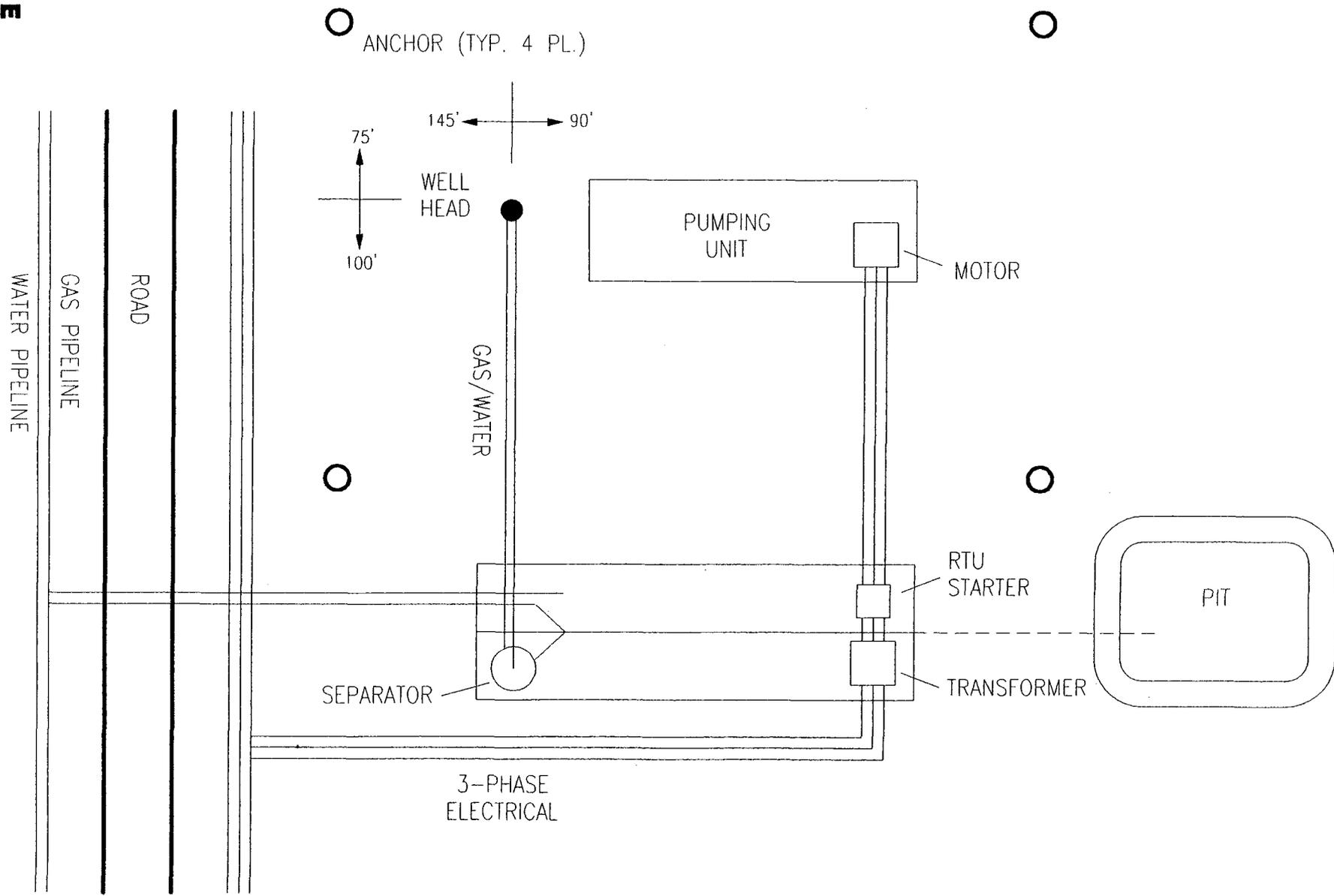


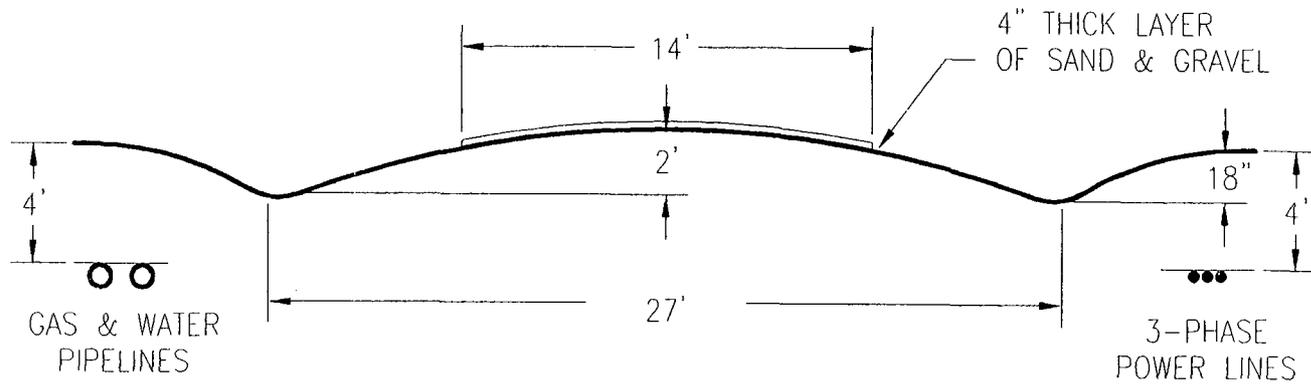
EXHIBIT E

# CONOCOPHILLIPS

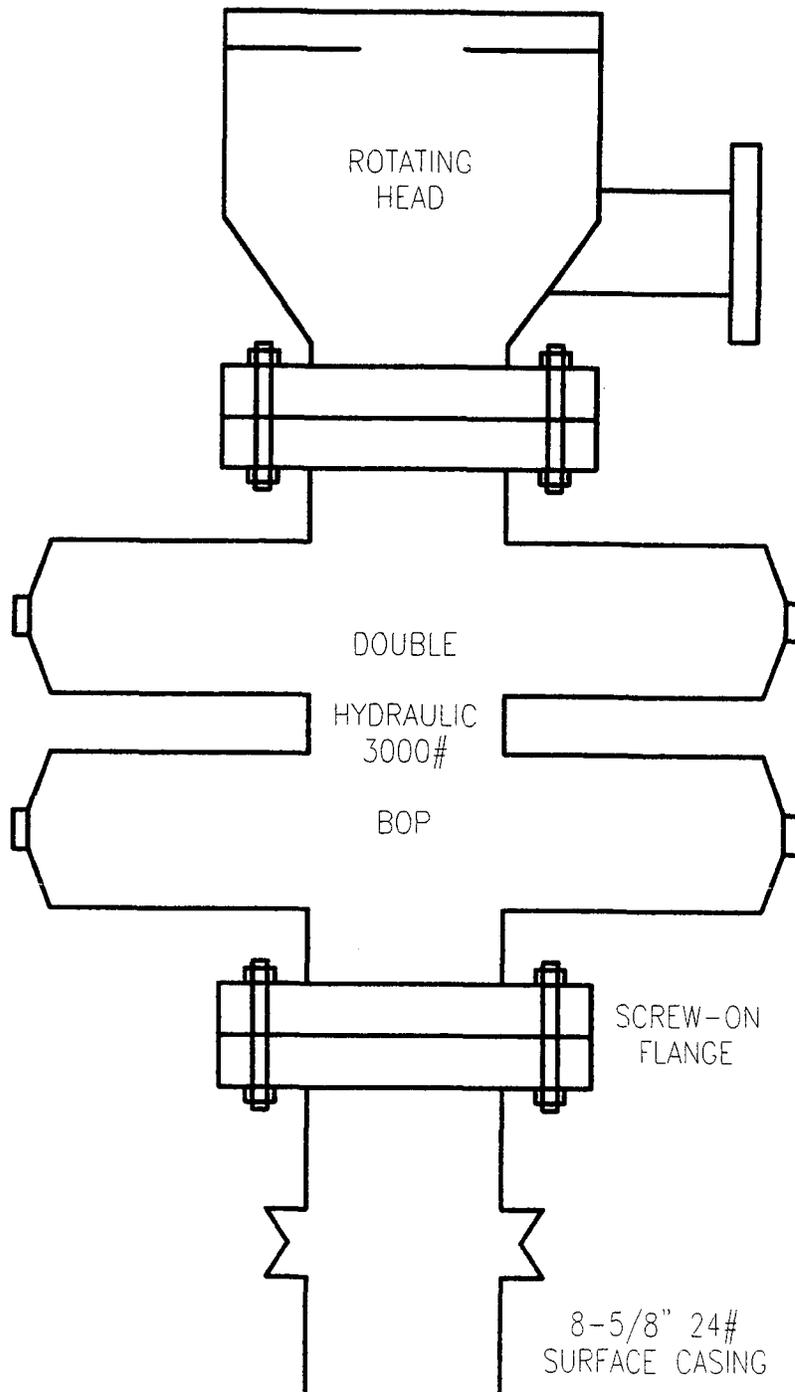
WELL SITE LAYOUT (235' x 175')



# TYPICAL ROAD CROSS-SECTION



DIVERTER HEAD

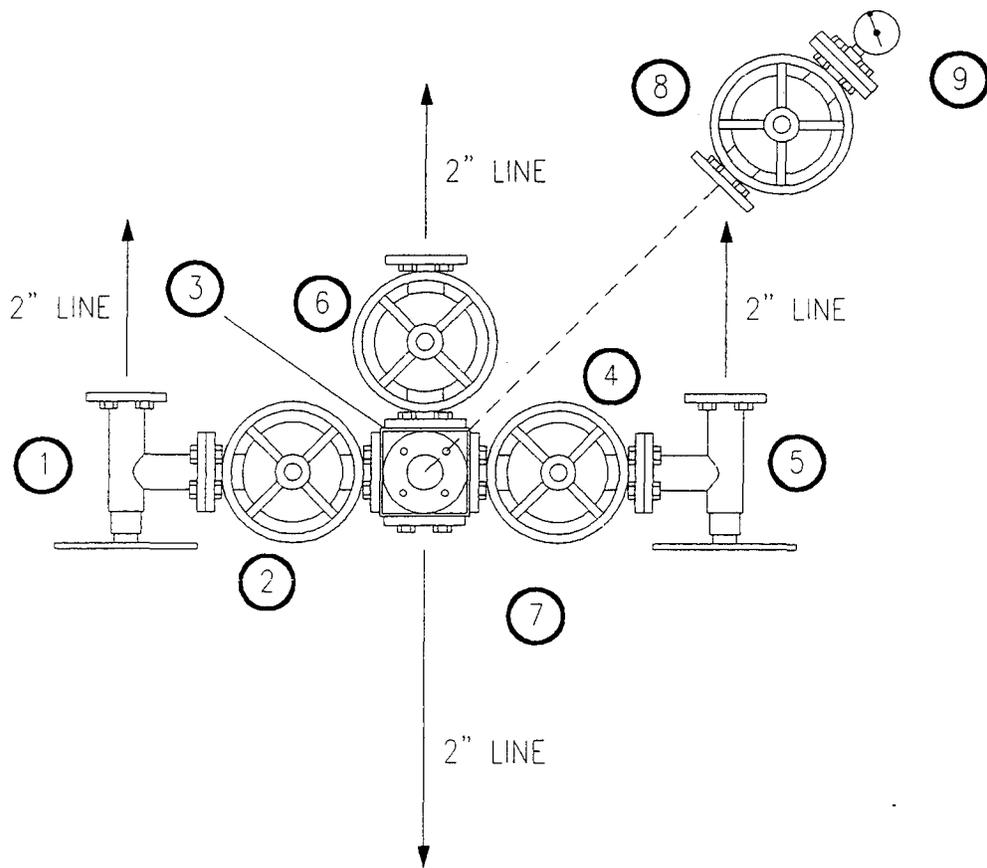


**EXHIBIT G**

- (1) 2" 5M FLANGED CHOKE
- (2) 2" 5M GATE VALVE (FLANGED)
- (3) 2" 5M STUDDED CROSS
- (4) 2" 5M GATE VALVE (FLANGED)
- (5) 2" 5M FLANGED CHOKE
- (6) 2" 5M GATE VALVE (FLANGED)
- (7) 2" LINE
- (8) 2" 5M GATE VALVE (FLANGED)
- (9) 3000# GAUGE

NOTE:

NUMBER 8 GATE VALVE SITS ON TOP OF MANIFOLD BETWEEN STUDDED CROSS AND 3000# GAUGE.



TO BOP  
AND A NEW 2" BALL VALVE  
FULL OPEN 5000 PSI

MANIFOLD

EXHIBIT "D"  
DRILLING PROGRAM

Attached to Form 3  
ConocoPhillips Company  
Utah 03-647  
NW/4, NW/4, Sec.03, T15S, R10E, SLB & M  
894' FNL, 914' FWL  
Carbon County, Utah

1. The Surface Geologic Formation

Mancos Shale

2. Estimated Tops of Important Geologic Markers

Blue Gate/Ferron 830'

3. Projected Gas & H2O zones (Ferron Formation)

Coals and sandstones 860' - 970'

No groundwater is expected to be encountered.

Casing & cementing will be done to protect potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits. All indications of usable water will be reported.

Surface casing will be tested to 1400 psi.

4. The Proposed Casing and Cementing Programs

<u>HOLE SIZE</u>	<u>SETTING DEPTH (INTERVAL)</u>	<u>SIZE (OD)</u>	<u>WEIGHT, GRADE &amp; JOINT</u>	<u>NEW, USED</u>
14"	40'	12-3/4"	Conductor	New
11"	127'	8-5/8"	24#ST&C	New
7-7/8"	1260'	5-1/2"	17#LT&C	New

Cement Program -

Surface Casing: 107 sks G+2%CaCl+1/4#per sack flocel;15.8#/gal,density, 1.15 cu.ft/sk yield. Every attempt will be made to bring cement back to surface.

Production Casing: 90 sks 50/50 poz 8%gel +2%CaCl+10%extender;12.5#/gal, density, 1.92 cu.ft/sk yield.

75 sks "G" thixotropic, 14.2#/gal density, 1.61 cu.ft/sk yield

The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

5. The Operator's Minimum Specifications for Pressure Control

Exhibit "G" is a schematic diagram of the blowout preventer equipment. A double gate 3000 psi BOPE will be used with a rotating head. This equipment will be tested to 2000 psi. All tests will be recorded in a Driller's Report Book. Physical operation of BOP's will be checked on each trip.

6. The Type and Characteristics of the Proposed Circulating Muds

0-300	11" hole	Drill with air, will mud-up if necessary.
300-TD	7 7/8" hole	Drill with air. 400 psi @ 1500-1800 Scf.

7. The Testing, Logging and Coring Programs are as followed

300-TD      Gamma Ray, Density, Neutron Porosity, Induction, Caliper

Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 550 psi max. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled around October 2003.

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

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

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

EXHIBIT "E"  
MULTIPOINT SURFACE USE PLAN

Attached to Form 3  
ConocoPhillips Company  
Utah 03-647  
NW/4, NW/4, Sec. 03, T15S, R10E, SLB&M  
894' FNL, 914' FWL  
Carbon County, Utah

**1. Existing Roads**

- a. We do not plan to change, alter or improve upon any existing state or county roads.
- b. Existing roads will be maintained in the same or better condition. See Exhibit "B".

**2. Planned Access**

Approximately 2500' of new access is required (See Exhibit "B")

- a. Maximum Width: 24' travel surface with 27' base
- b. Maximum grade: 7%
- c. Turnouts: None
- d. Drainage design: 4 culverts may be required. Water will be diverted around well pad as necessary.
- e. If the well is productive, the road will be surfaced and maintained as necessary to prevent soil erosion and accommodate year-round traffic.
- f. Pipe and Power lines will follow the proposed access road.

**3. Location of Existing Wells**

- a. See Exhibit "B". There are 2 proposed and 3 existing wells within a one-mile radius of the proposed location.

**4. Location of Existing and/or Proposed Facilities**

- a. If the well is a producer, installation of production facilities will be as shown on Exhibit "H". Buried powerlines run along access on the east and north, gathering lines on the south or west.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

## **5. Location and Type of Water Supply**

- a. Water to be used for drilling will be purchased from the Price River Water Improvement District (a local source of municipal water) (tel. 435-637-6350).
- b. Water will be transported by truck over approved access roads.
- c. No water well is to be drilled for this location.

## **6. Source of Construction Materials**

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

## **7. Methods for handling waste disposal**

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

## **8. Ancillary Facilities**

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

## **9. Wellsite Layout**

- a. Available topsoil will be removed from the location and stockpiled. Location of mud tanks, reserve and berm pits, and soil stockpiles will be located as shown on the attachments.
- b. A blooie pit will be located 100' from the drill hole. A line will be placed on the surface from the center hole to the pit. The pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on Exhibit "B".
- d. Natural runoff will be diverted around the well pad.

## **10. Plans for Restoration of Surface**

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.

## **11. Surface Ownership:**

- a. The wellsite and access road will be constructed on lands owned by the School and Institutional Trust Lands Administration. The operator shall contact the landowner representative and the Division of Oil, Gas and mining 48 hours prior to beginning construction activities.

12. **Other Information:**

- a. The primary surface use is farming and grazing. The nearest dwelling is approximately 2,000 feet southwest.
- b. Nearest live water is Price River located 5500' east.
- c. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed and piled downhill from the topsoil stockpile location.
- d. The backslope and foreslope will be constructed no steeper than 4:1.
- e. All equipment and vehicles will be confined to the access road and well pad.
- f. A complete copy of the approved Application for Permit to Drill (APD) including conditions and stipulations, shall be on the wellsite during construction and drilling operations

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

**13. Company Representative**

Jean Semborski  
Permitting Supervisor  
ConocoPhillips Company  
6825 S. 5300 W. P.O. Box 851  
Price, Utah 84501  
(435) 613-9777  
(435) 820-9807

Mail Approved A.P.D. To:

Company Representative

Excavation Contractor

Larry Jensen, Vice President  
Nelco Contractors Inc.  
Vice President  
(435) 637-3495  
(435) 636-5268

**14. 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, true and correct, and that the work associated with the operations proposed herein will be performed by ConocoPhillips Company and its subcontractors in conformity with this plan and the terms and conditions under which it is approved.

6/17/03  
Date

  
\_\_\_\_\_  
Jean Semborski  
Permitting Supervisor  
ConocoPhillips Company

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/30/2003

API NO. ASSIGNED: 43-007-30929

WELL NAME: UTAH 03-647  
OPERATOR: CONOCOPHILLIPS COMPANY ( N2335 )  
CONTACT: JEAN SEMBORSKI

PHONE NUMBER: 435-613-9777

PROPOSED LOCATION:  
NWNW 03 150S 100E  
SURFACE: 0894 FNL 0914 FWL  
BOTTOM: 0894 FNL 0914 FWL  
CARBON  
UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	Dick	7/22/03
Geology		
Surface		

LEASE TYPE: 3 - State  
LEASE NUMBER: ML-46732  
SURFACE OWNER: 3 - State  
PROPOSED FORMATION: FRSD

LATITUDE: 39.55457  
LONGITUDE: 110.79286

RECEIVED AND/OR REVIEWED:

Plat

Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. 5952189 )

Potash (Y/N)

Oil Shale 190-5 (B) or 190-3 or 190-13

Water Permit  
(No. MUNICIPAL )

RDCC Review (Y/N)  
(Date: )

Fee Surf Agreement (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: \_\_\_\_\_

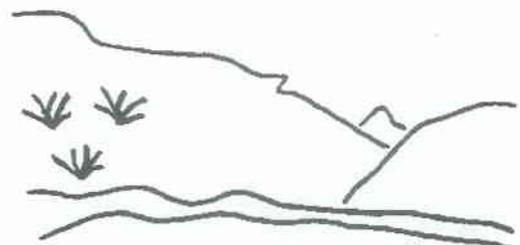
\_\_\_ R649-3-11. Directional Drill

COMMENTS: Needs Permit (Recd 7-16-03)

STIPULATIONS: 1- Spacing Strip  
2- STATEMENT OF BASIS



**OPERATOR: CONOCOPHILLIPS CO (N2335)**  
**SEC. 3 T.15S, R.10E**  
**FIELD: UNDESIGNATED (002)**  
**COUNTY: CARBON**  
**SPACING: R649-3-3 / EXCEPTION LOCATION**



## Utah Oil Gas and Mining

- Wells**
- ✓ 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

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

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



PREPARED BY: DIANA MASON  
 DATE: 2-JULY-2003

**DIVISION OF OIL, GAS AND MINING**  
**APPLICATION FOR PERMIT TO DRILL**  
**STATEMENT OF BASIS**

**OPERATOR:** \_\_\_\_\_ Phillips \_\_\_\_\_  
**WELL NAME & NUMBER:** \_\_\_\_\_ Utah 3-647 \_\_\_\_\_  
**API NUMBER:** \_\_\_\_\_ 43-007-30929 \_\_\_\_\_  
**LOCATION:** 1/4,1/4 NWNW Sec: 3 TWP: 15S RNG: 10E 894 FNL 914 FWL

**Geology/Ground Water:**

A silty, poorly-permeable soil is developed on thin Quaternary Slope Wash covering the Blue Gate Shale Member of the Mancos Shale. No aquifers with high quality ground water are likely to be encountered. The proposed casing and cement program will adequately isolate any water-bearing strata. Seven Price River surface water rights and one for an underground water well have been filed within a mile of the location. The water well is for stock watering and is located ~ 1/2 mile to the southwest.

**Reviewer:** Christopher J. Kierst    **Date:** 7/17/2003

**Surface:**

Proposed location is ~4 miles South of Price, Utah just North and East of what is called locally "4 mile hill". The direct area drains to the East into the Price River, a year-round live water source. The soil is a clay shale mix and is erosive when disturbed. The location is located East of Highway 10 ~1 mile. Proposed access will be from the South off a county road and other gas field roads built and maintained by Phillips Petroleum Company. SITLA and Carbon County were invited but chose not to attend the onsite.

**Reviewer:** Mark L. Jones    **Date:** July 16, 2003

**Conditions of Approval/Application for Permit to Drill:**

1. Culverts as needed where crossing drainages sufficient to handle run-off.
2. Berm the location and pit.

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

**OPERATOR:** Phillips  
**WELL NAME & NUMBER:** Utah 3-647  
**API NUMBER:** 43-007-30929  
**LEASE:** State **FIELD/UNIT:** \_\_\_\_\_  
**LOCATION:** 1/4, 1/4 NWNW Sec: 3 TWP: 15S RNG: 10E 894 FNL 914 FWL  
**LEGAL WELL SITING:** 460 F SEC. LINE; 460 F 1/4, 1/4 LINE; 920 F ANOTHER WELL.  
**GPS COORD (UTM):** X = 517792 E; Y = 4378126 N SURFACE OWNER: SITLA

**PARTICIPANTS**

M. Jones (DOGM), J. Semborski (Phillips), L. Jensen (Nelco), T. Wright (DWR). SITLA and Carbon County were invited but chose not to attend the onsite.

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Proposed location is ~4 miles South of Price, Utah just North and East of what is called locally "4 mile hill". The direct area drains to the East into the Price River, a year-round live water source. The soil is a clay shale mix and is erosive when disturbed. The location is located East of Highway 10 ~1 mile. Proposed access will be from the South off a county road and other gas field roads built and maintained by Phillips Petroleum Company.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Minimal use by wildlife and recreation activities.

PROPOSED SURFACE DISTURBANCE: 235' x 175' and a 50' x 50' x 10' pit.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 2 proposed gas wells and 3 producing gas wells are within a 1 mile radius of the above proposed well.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Along roadside.

SOURCE OF CONSTRUCTION MATERIAL: Obtained locally and transported in.

ANCILLARY FACILITIES: None anticipated.

**WASTE MANAGEMENT PLAN:**

Portable chemical toilets which will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. Crude oil production is unlikely. Drilling fluid, completion / frac fluid and cuttings will be buried in the pit after evaporation and slashing the pit liner. Produced water will be gathered to the evaporation pit and eventually injected into the Navajo Sandstone via a salt-water disposal well. Used oil from drilling operations and support is hauled to a used oil recycler and reused.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: Shadscale, grasses, sagebrush, small game, rodents, birds.

SOIL TYPE AND CHARACTERISTICS: Shale clay mix.

EROSION/SEDIMENTATION/STABILITY: erosive upon disturbance.

PALEONTOLOGICAL POTENTIAL: None observed.

**RESERVE PIT**

CHARACTERISTICS: Dugout earthen pit.

LINER REQUIREMENTS (Site Ranking Form attached): None required.

**SURFACE RESTORATION/RECLAMATION PLAN**

As per SITLA lease agreement.

SURFACE AGREEMENT: As per SITLA lease agreement.

CULTURAL RESOURCES/ARCHAEOLOGY: Completed 3/27/2003, on-file, and is clear.

**OTHER OBSERVATIONS/COMMENTS**

**ATTACHMENTS**

Photos of this location were taken and placed on file.

Mark L. Jones  
DOGM REPRESENTATIVE

July 15, 2003 / 10:30 am  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>0</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**      10      (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level II = 15-19; lining is discretionary.

Sensitivity Level III = below 15; no specific lining is required.

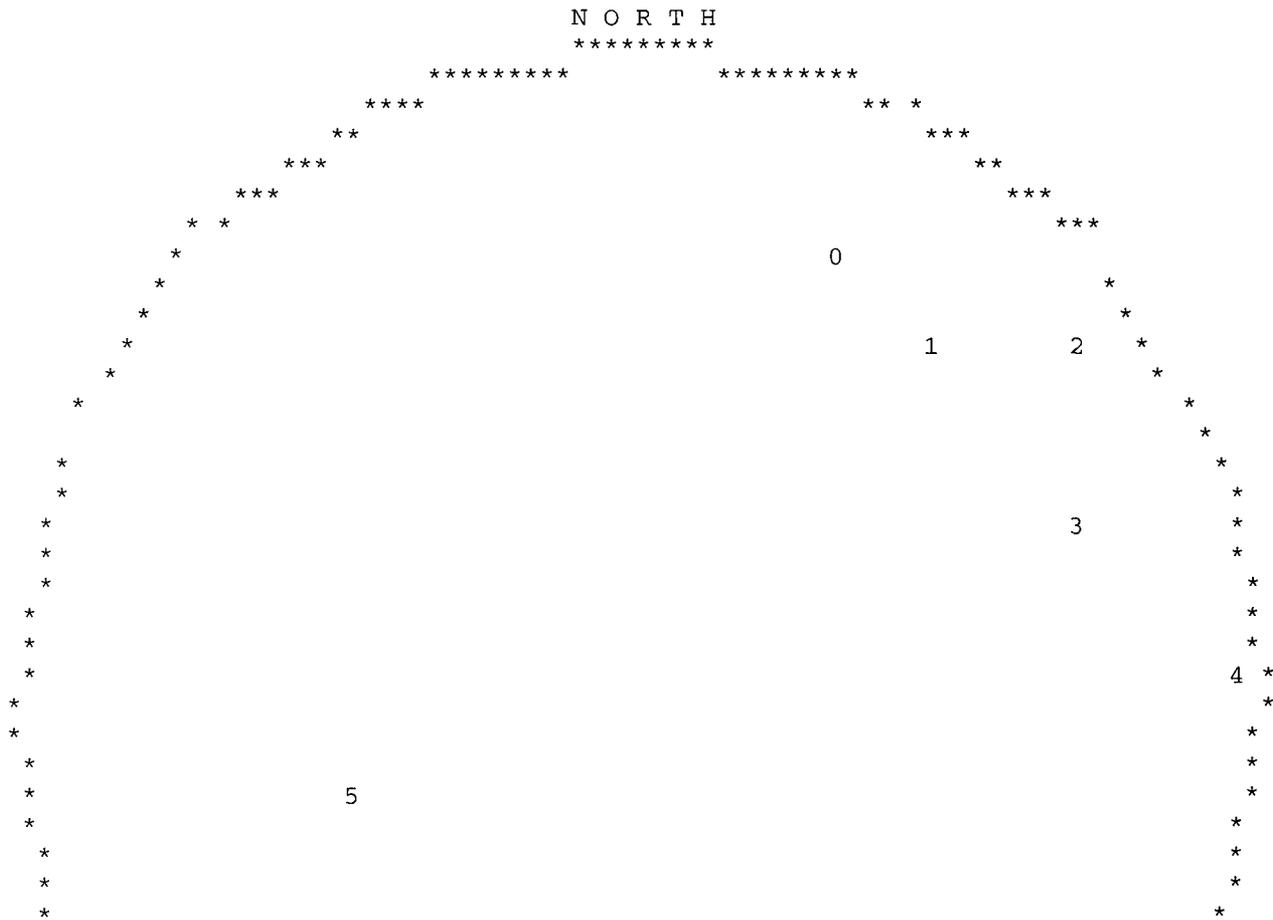


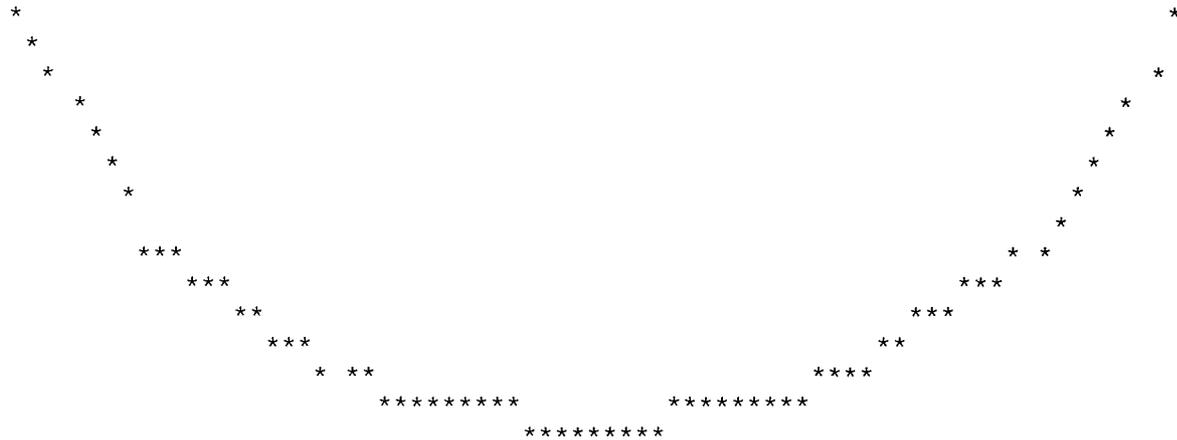


UTAH DIVISION OF WATER RIGHTS  
WATER RIGHT POINT OF DIVERSION PLOT CREATED THU, JUL 17, 2003, 12:47 PM  
PLOT SHOWS LOCATION OF 8 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 5280 FEET FROM A POINT  
S 894 FEET, E 914 FEET OF THE NW CORNER,  
SECTION 3 TOWNSHIP 15S RANGE 10E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET





UTAH DIVISION OF WATER RIGHTS  
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION	DIAMETER	DEPTH	or WELL INFO YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH EAST	CNR SEC	TWN	RNG B&M	U A N P
0	91 4289	500.0000	OR	12000.00	Price River			S 2500 E 2500	NW 34	14S	10E SL	X
					Amoco Production Company		200 East Randolp Drive				Chicago	IL 6
1	91 2312	.0000		.00	Price River							
2	91 2317	.0000		.00	Price River							
					Critchlow, Judson D. & Cherie		229 South 500 East					UT 8
					Cave, David R. & Mildred J.		229 South 500 East					UT 8
3	91 2313	.0000		.00	Price River							



State Online Services

Agency List

Search Utah.gov



# UTAH DIVISION OF WATER RIGHTS

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 07/17/200

WRNUM: 91-4225 APPLICATION/CLAIM NO.: A54548 CERT. NO.:

-----  
**OWNERSHIP\*\*\*\*\***  
-----

NAME: Beckamn, Herman OWNER MISC:  
ADDR: Route 1, Box 141  
CITY: Price STATE: UT ZIP: 84501 INTEREST: 100%  
LAND OWNED BY APPLICANT? Yes

-----  
**DATES, ETC.\*\*\*\*\***  
-----

FILING: 04/22/1980 | PRIORITY: 04/22/1980 | ADV BEGAN: | ADV ENDED: | NEWSPAPER:  
PROTST END: | PROTESTED: [No ] | APPR/REJ: [ ] | APPR/REJ: | PROOF DUE: | EXTENSION:  
ELEC/PROOF:[ ] | ELEC/PROOF: | CERT/WUC: 08/07/1981 | LAP, ETC: | PROV LETR: | RENOVATE:  
RECON REQ: | TYPE: [ ]  
PD Book No. Map: Date Verified: 05/10/1993 Initials: MJK  
Type of Right: Application to Appropriate Source of Info: Water User's Claim Status: WUC Signed

-----  
**LOCATION OF WATER RIGHT\*\*\*\*\***  
-----

FLOW: 0.015 cfs SOURCE: Underground Water Well  
COUNTY: Carbon COMMON DESCRIPTION:

POINT OF DIVERSION -- UNDERGROUND:  
(1) N 1120 ft W 1510 ft from E4 cor, Sec 04, T 15S, R 10E, SLBM DIAM: ins. DEPTH: to ft. YEAR DRILLED:  
Comment:

-----  
**USES OF WATER RIGHT\*\*\*\*\***  
-----

CLAIMS USED FOR PURPOSE DESCRIBED: 4225,3,366,764,765,3396,3397,2,78  
Referenced To: Claims Groups: 1 Type of Reference -- Claims: Purpose: Remarks  
.....  
###IRRIGATION \*-----NORTH WEST QUARTER-----\*-----NORTH EAST QUARTER-----\*-----SOUTH WEST QUARTER-----

	White, Vernon H. & Lolete L.						Dove Creek	CO						
3	<u>91 2313</u>	.0000	.00	Price River										
	WATER USE(S): STOCKWATERING							PRIORITY DATE: 00/00/1869						
	White, Vernon H. & Lolete L.							Dove Creek	CO					
4	<u>91 2319</u>	.0000	.00	Price River										
	WATER USE(S): STOCKWATERING							PRIORITY DATE: 00/00/1869						
	Campbell, Roy D. and Iretta							Wellington	UT 8					
4	<u>91 2319</u>	.0000	.00	Price River										
	WATER USE(S): STOCKWATERING							PRIORITY DATE: 00/00/1869						
	Campbell, Roy D. and Iretta							Wellington	UT 8					
5	<u>91 4225</u>	.0150	.00		N	N	1120	W	1510	E4	4	15S	10E	SL
	WATER USE(S): IRRIGATION STOCKWATERING							PRIORITY DATE: 04/22/1980						
	Beckann, Herman							Price	UT 8					
	Route 1, Box 141													

Tot Acrg.: 0.36      \* NW | NE | SW | SE      \* NW | NE | SW | SE      \* NW | NE | SW | SE  
 Sec 04 T 15S R 10E SLBM \*      |      |      |      \*      |      |      |      \*      |      |      |      \*  
 or a Total of 0.36 acres.      Sole Supply:      Diversion Limit:      PERIOD OF USE: 04  
 WUC 91-4225 is limited to the irrigation requirements of 0.25 acres.

CLAIMS USED FOR PURPOSE DESCRIBED: 4225

Referenced To:	Claims Groups:	2	Type of Reference --	Claims:	Purpose:	Remarks
###STOCKWATERING: 5 Cattle or Equivalent				Diversion Limit:		PERIOD OF USE: 01
*****END OF DATA*****						

[Natural Resources](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)

07-03 ConocoPhillips 03-017

Casing Schematic

Mancos

Surface

8-5/8"  
MW 8.2  
Frac 19.3

TOC @  
0.

w/ 18% washout

Surface  
127. MD

TOC @  
220.

w/ 15% washout

830 Blue Gate / Fernan

860

Coals  
S.S.

970

5-1/2"  
MW 8.4

Production  
1260. MD

BAP

$$(0.052)(8.4)(1260) = 550$$

Anticipated 550

Air

$$(612)(1260) = 151$$

$$MASP = 399$$

BOPE = 3 M proposed  
w/ rotating head

Adequate  
Dec 7/22/03

Well name:	<b>07-03 ConocoPhillips 03-647</b>	
Operator:	<b>PhillipsConoco Company</b>	Project ID:
String type:	Production	43-007-30929
Location:	Carbon County	

**Design parameters:**

**Collapse**  
Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Burst**  
Max anticipated surface pressure: -13 psi  
Internal gradient: 0.447 psi/ft  
Calculated BHP: 550 psi  
  
No backup mud specified.

**Minimum design factors:**

**Collapse:**  
Design factor: 1.125

**Burst:**  
Design factor: 1.00

**Tension:**  
8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 1,100 ft

**Environment:**

H2S considered? Yes  
Surface temperature: 65 °F  
Bottom hole temperature: 83 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 368 ft  
  
Cement top: 220 ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	1260	5.5	17.00	N-80	LT&C	1260	1260	4.767	43.4
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	550	6290	11.440	550	7740	14.08	21	348	16.25 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Date: July 21, 2003  
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Collapse is based on a vertical depth of 1260 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.  
Burst strength is not adjusted for tension.

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

Well name:	<b>07-03 ConocoPhillips 03-647</b>		Project ID:
Operator:	<b>PhillipsConoco Company</b>		43-007-30929
String type:	Surface		
Location:	Carbon County		

**Design parameters:**

**Collapse**  
Mud weight: 8.200 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 67 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 123 ft

**Burst**

Max anticipated surface pressure: 0 psi  
Internal gradient: 0.447 psi/ft  
Calculated BHP 57 psi

**Burst:**  
Design factor 1.00

Cement top: Surface

No backup mud specified.

**Tension:**  
8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.  
Neutral point: 111 ft

**Re subsequent strings:**  
Next setting depth: 5,000 ft  
Next mud weight: 8.600 ppg  
Next setting BHP: 2,234 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 650 ft  
Injection pressure 650 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	127	8.625	24.00	J-55	ST&C	127	127	7.972	6.1
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	54	1370	25.324	57	2950	51.99	3	244	80.05 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Date: July 21, 2003  
Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE  
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
Collapse is based on a vertical depth of 127 ft, a mud weight of 8.2 ppg. The casing is considered to be evacuated for collapse purposes.  
Burst strength is not adjusted for tension.

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

**From:** Ed Bonner  
**To:** Mason, Diana  
**Date:** 7/10/03 11:53AM  
**Subject:** Well Clearances

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

EOG Resources  
Horse Point 1-34  
Horse Point 4-32

Royale Energy  
Moon Canyon 32-1

ConocoPhillips  
Utah 05-224d  
Utah 03-647  
Utah 03-648  
Utah 10-649

If you have any questions please give me a call.

**CC:** Baza, John; Garrison, LaVonne; Hill, Brad; Hunt, Gil



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

July 22, 2003

ConocoPhillips Company  
P O Box 851  
Price, UT 84501

Re: Utah 03-647 Well, 894' FNL, 914' FWL, NW NW, Sec. 3, T. 15 South, R. 10 East,  
Carbon 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-007-30929.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza  
Associate Director

pab  
Enclosures

cc: Carbon County Assessor  
SITLA

**Operator:** ConocoPhillips Company  
**Well Name & Number** Utah 03-647  
**API Number:** 43-007-30929  
**Lease:** ML-46732

**Location:** NW NW      **Sec.** 3      **T.** 15 South      **R.** 10 East

### 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**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

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

July 22, 2003

6. 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.

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

005

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-46732
2. NAME OF OPERATOR: ConocoPhillips Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
3. ADDRESS OF OPERATOR: P.O. Box 851 CITY Price STATE UT ZIP 84501		7. UNIT or CA AGREEMENT NAME: Undesignated
4. LOCATION OF WELL FOOTAGES AT SURFACE: 894' FNL, 914' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 3 T15 R10 S		8. WELL NAME and NUMBER: Utah 03-647
PHONE NUMBER: (435) 613-9777		9. API NUMBER: 4300730929
COUNTY: Carbon		10. FIELD AND POOL, OR WILDCAT: Undesignated
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>APD 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.

Please be advised that ConocoPhillips Company is requesting a one year extension on the permit expiration date for the Utah 03-647 well location. This well is outside of and more than 460' from the exterior of the Drunkards Wash Federal Unit & has been approved as an exception location under Utah Administrative Code Rule R649-3-3.

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 08-30-04  
By: [Signature]

RECEIVED  
AUG 25 2004  
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR  
Date: 8-31-04  
Initials: CHD

NAME (PLEASE PRINT) <u>Jean Semborski</u>	TITLE <u>Planning and Compliance Supervisor</u>
SIGNATURE <u>[Signature]</u>	DATE <u>8/19/2004</u>

(This space for State use only)

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

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

**API:** 4300730929  
**Well Name:** Utah 03-647  
**Location:** 894' FNL, 914' FWL NWNW, Sec. 03, T.15S, R10E  
**Company Permit Issued to:** ConocoPhillips Company  
**Date Original Permit Issued:** 7/22/2003

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

RECEIVED

AUG 25 2004

*Jan Ambrosi*  
Signature

8/19/2004

Date

DIV. OF OIL, GAS & MINING

Title: Planning and Compliance Supervisor

ORIGINAL

Representing: ConocoPhillips Company

CONFIDENTIAL



**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*

September 26, 2005

Jean Semborski  
ConocoPhillips Company  
P O Box 851  
Price, UT 84501

Re: APD Rescinded –UTAH 03-647 Sec. 3, T. 15S, R. 10E  
Carbon County, Utah API No. 43-007-30929

Dear Ms. Semborski:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on July 22, 2003. On August 30, 2004 the Division granted a one-year APD extension. On September 24, 2005, you requested that the division rescind the state approved APD.

No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective September 24, 2005.

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 Whitney  
Engineering Technician

cc: Well File  
Ed Bonner, SITLA