

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPPLICATE\*  
(\*Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN					
1 a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-65762</b>		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER - COALBED METHANE <input checked="" type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEES OR TRIBE NAME		
2. NAME OF OPERATOR <b>ANADARKO PETROLEUM CORPORATION</b>			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. <b>17001 Northchase Drive, Houston, Texas 77060 281/875-1101</b>			8. FARM OR LEASE NAME WELL NO. <b>Oliveto Federal A-2</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>2569 FSL 2067 FWL, SW Section 8, T14S R10E</b> <i>514878.72 4385664.88</i> At proposed prod. zone <b>2569 FSL 2067 FWL, SW Section 8, T14S R10E</b>			9. API WELL NO.		
			10. FIELD AND POOL OR WILDCAT <b>Helper CBM</b>		
			11. SEC. T.R.M. OR BLK. AND SURVEY OR AREA <b>Section 8, T14S R10E</b>		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. <b>1 mile NW of Price, Ut</b>			12. COUNTY <b>Carbon</b>	13. STATE <b>Utah</b>	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>2067'</b>		16. NO. OF ACRES IN LEASE <b>1474'</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL. <b>160</b>		
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE. FT. <b>2000'</b>		19. PROPOSED DEPTH <b>2200'</b>	20. ROTARY OR CABLE TOOLS <b>Rotary</b>		
21. ELEVATIONS (Show whether DF. RT. GR. etc.) <b>5928' GL</b>			22. APPROX. DATE WORK WILL START. <b>April 16 1999</b>		
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
<b>12 1/4"</b>	<b>8 5/8" J-55</b>	<b>24#</b>	<b>300'</b>	<b>200 cu. ft.</b>	
<b>7-7/8"</b>	<b>5-1/2" N80</b>	<b>17#</b>	<b>2200</b>	<b>300 cu. ft.</b>	

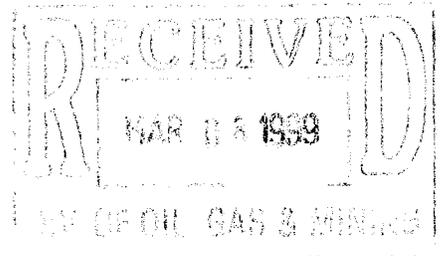
**CONFIDENTIAL**

Attached is the following:

1. Survey Plat
2. Drilling Plan with BOP Schematic, Figure 1-1
3. Surface Use Plan
4. Certification of Operator
5. Topo & Access Map & Area Map.
6. Pit & Pad Layout with cross sections of pit, pad, & rig layout.

The Cultural Resource Study was submitted under separate cover.

Nationwide BLM Oil & Gas Lease Bond Number 153571  
Utah Oil & Gas Lease Bond 224351 (expiration date 06-30-2000)  
Utah Bond of Lessee 203521



**CONFIDENTIAL**

IN ABOVE SPACE, DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED	TITLE <b>Bruce Darlington Sr. Drilling Engineer</b>	DATE <b>02/11/1999</b>
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(This space for Federal or State office use.)

PERMIT NO. 43-007-30556 APPROVAL DATE \_\_\_\_\_

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:

APPROVED BY	TITLE <b>BRADLEY G. HILL RECLAMATION SPECIALIST III</b>	DATE <b>3/31/99</b>
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**Federal Approval of this  
Action is Necessary**

See Instructions On Reverse Side

# T14S, R10E, S.L.B.&M.

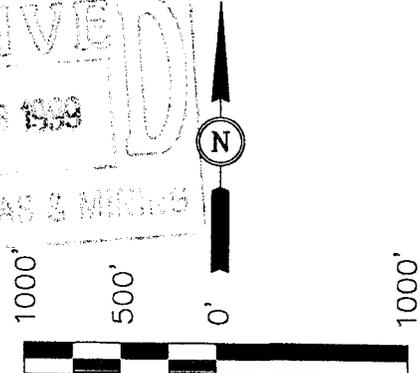
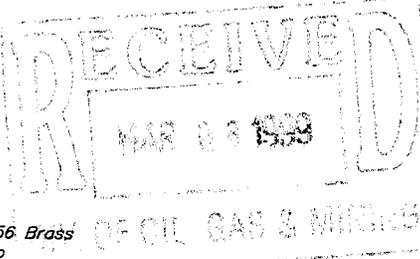
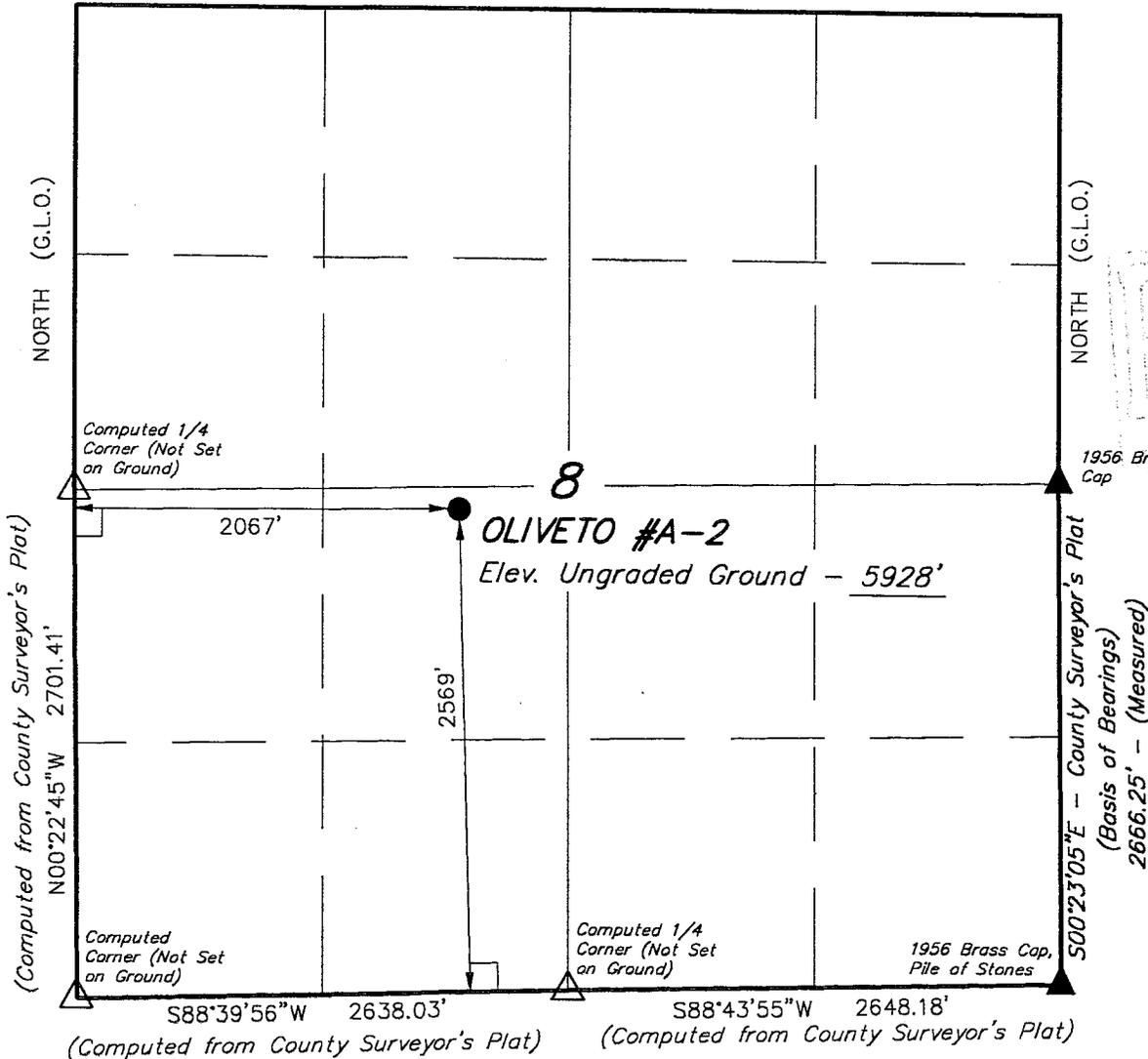
## ANADARKO PETROLEUM CORP.

Well Location, OLIVETO #A-2, located as shown in NE 1/4 SW 1/4 of Section 8, T14S, R10E, S.L.B.&M. Carbon County, Utah.

WEST - 79.58 (G.L.O.)

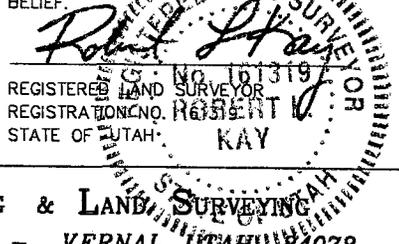
### BASIS OF ELEVATION

SPOT ELEVATION THE SOUTHEAST CORNER OF SECTION 8, T14S, R10E, S.L.B.&M. TAKEN FROM THE PRICE QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5710 FEET.



SCALE  
CERTIFICATE

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



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

**LEGEND:**

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

SCALE 1" = 1000'	DATE SURVEYED: 10-28-98	DATE DRAWN: 11-16-98
PARTY K.K. T.A. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE ANADARKO PETROLEUM CORP.	

STATE OF UTAH  
COUNTY OF CARBON

**SURFACE LAND USE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, the undersigned G.S. Wiggains, a single man, (hereinafter referred to as GRANTOR, whether one or more), is the owner of the surface of the following described property, to-wit:

**TOWNSHIP 14 SOUTH, RANGE 10 EAST, SLM**

**Section 8: N1/2NE1/4, SW1/4NE1/4, SE1/4NW1/4, NE1/4SW1/4**

**See Exhibits "A", "B", and "C" Attached**

and Anadarko Petroleum Corporation whose address is P.O. Box 1330, Houston, TX 77251-1330, (hereinafter referred to as GRANTEE), owns leases covering oil, gas and mineral rights in, under and upon said property; and

**WHEREAS**, Grantee desires to build an access road, pipelines and appurtenances thereto, power lines, and a well site for the drilling of Coalbed Degasification wells on a portion of said property.

**NOW THEREFORE**, for and in consideration of the sum of ten dollars (\$10.00) and other valuable considerations, the receipt and sufficiency of which is hereby acknowledged, Grantor does hereby grant, sell and convey unto Grantee, its successors and assigns, the easement and right to us that portion of the herein above described property as may be necessary to conduct its drilling and production operations on said property, including the right to construct and maintain coalbed methane gas well sites; to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment; to construct, maintain or cover up any pits or ponds necessary for drilling operations or water storage; to erect, maintain, relocate, replace or remove production facilities, including, but not limited to, pumps, compressors, separators, treaters, etc.; to construct, maintain, relocate, or abandon roads, and in connection therewith, a power line or power lines (said well sites, pipelines, appurtenances, valves, metering equipment, cathodic equipment, road and power lines being sometimes collectively called the "facilities") over, under and through the hereinafter described land as described in the attached Exhibits "A" and "B".

Grantor acknowledges the receipt and sufficiency of the above described consideration as payment for all damages to Grantor's trees, timber, growing crops, and other vegetation being cultivated on said land by the undersigned or their respective lessees, tenants or assigns caused by the construction, maintenance, protection, repair, placement or removal of the facilities as described in the attached exhibits and agrees that the payment and acceptance of the consideration set forth above is in full and complete payment, settlement, compromise and satisfaction of any and all of the above-mentioned losses, liabilities, claims, damages, demands and causes of action for any and all injuries and damage to the surface of the land hereinbelow described and to any appurtenances or improvements thereon, and for any and all claims including but not limited to loss of potential rental income, damages to and/or loss of livestock and wildlife, arising directly or indirectly in connection with the operations thereon by Grantee, its employees, agents, contractors, or subcontractors in connection with the above-mentioned operations of Grantee.

Grantee shall have the free right of ingress and egress to, over, upon, through and across said right-of-way and easement for any and all purposes that may be necessary or incidental to the maintenance of the right-of-way and easement, with the right to use existing roads which enter Grantor's property for the purpose of constructing, inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part, and the replacement of said pipeline or pipelines with either like or different size pipe. During temporary periods, Grantee may use such portions of the property along and adjacent to said right-of-way as may be necessary in connection with construction, maintenance, repair, removal or replacement of the facilities and if such use cause any damages to Grantor's lands outside of the above described right-of-way, Grantee shall pay Grantor for such damages.

Grantor reserves the right to the use and enjoyment of said property except for the purposes herein granted, but such use shall not hinder, conflict or interfere with Grantee's surface or subsurface rights hereunder or disturb its facilities. No road, reservoir, excavation, obstruction or structure shall be constructed, created or maintained on, over, along or within the lands covered by this right-of-way without Grantee's prior written consent.

If Grantee desires to remove any trees adjacent to said right-of-way at a later date which may be hazardous to the maintenance and use of the facilities on the right-of-way, Grantee shall first obtain approval from Grantor in writing, Grantor's approval not to be unreasonably withheld, and after receipt of such approval, may proceed to cut and remove such trees subject to payment of additional timber damages, if any are determined.

The undersigned hereby covenant and warrant that they are the surface owners of the above described land, and have the right to enter into this agreement.

**FOR THE SAME CONSIDERATION RECITED ABOVE**, Grantor and Grantee do hereby release, discharge and acquit the other from any and all liability, and shall indemnify the other against any and all claims and demands for damages, attorneys fees, injury or loss, existing now or done hereafter, to the surface of said lands or to any third parties arising out of or being the result of their or their agents, contractors, licensees, permittees, successors and assigns own activities on or use of the subject property. However, such parties' potential liability under this paragraph to the other shall be limited to the acts and/or omission of it, or its predecessors, agents, contractors, licensees, permittees, successors, and assigns, and shall not include any acts and/or omissions of the other party, its agents, contractors, licensees, permittees, successors or assigns. Grantee shall reasonably maintain the subject property in order to prevent unnecessary deterioration of the surface and to keep the property in an uncluttered condition.

**TO HAVE AND TO HOLD** the above described rights and easements, together with all rights necessary to operate and maintain the facilities over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding up Grantor, Grantor's heirs, legal representatives and successors in title. Upon abandonment, at the request of the Grantor, Grantee shall execute and deliver to Grantor a document in recordable form evidencing said abandonment.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement is subject to Special Stipulations as described on the attached Exhibit "C". In the event of conflict between the terms of the main body of the Agreement and the Special Stipulations described on the attached Exhibit "C", the Special Stipulations control.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be and original instrument, but all such counterparts together shall constitute for all purposes one instrument executed as of the dates of the respective acknowledgments of the parties hereto, but being effective as of the 11th day of February, 1999.

GRANTOR:

G. S. Wiggins  
G.S. Wiggins  
TIN: 510-40-2323  
Date: May 26 - 99

ACKNOWLEDGMENT

STATE OF N-Mex  
COUNTY OF Rio Arriba

I hereby certify, that on this day, before me, a Notary Public duly authorized in the state and county aforesaid to take acknowledgments, personally appeared G.S. Wiggins, a single man, to me known to be the person described herein and who executed the foregoing instrument and acknowledged before me that, being informed of the contents of the same, voluntarily signed and delivered the within and foregoing instrument on the day and year herein mentioned.

Given under my hand and seal this 26<sup>th</sup> day of May, 1999.

Josua Maded  
Notary Public  
Residing at:

My Commission Expires: May 16, 2000

ANADARKO PETROLEUM CORPORATION

By:

*Glen McPhail*

Glen McPhail

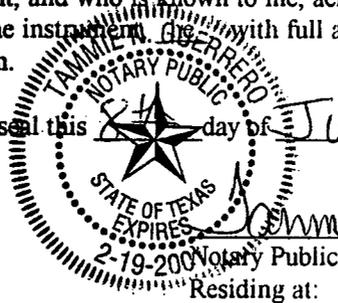
Its: Agent and Attorney in Fact

ACKNOWLEDGMENT

STATE OF TEXAS  
COUNTY OF HARRIS

I, the undersigned authority, a Notary Public in and for said county and state, hereby certify that Glen McPhail, whose name as Agent and Attorney in Fact is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he with full authority, executed the same voluntarily for and as the act of said corporation.

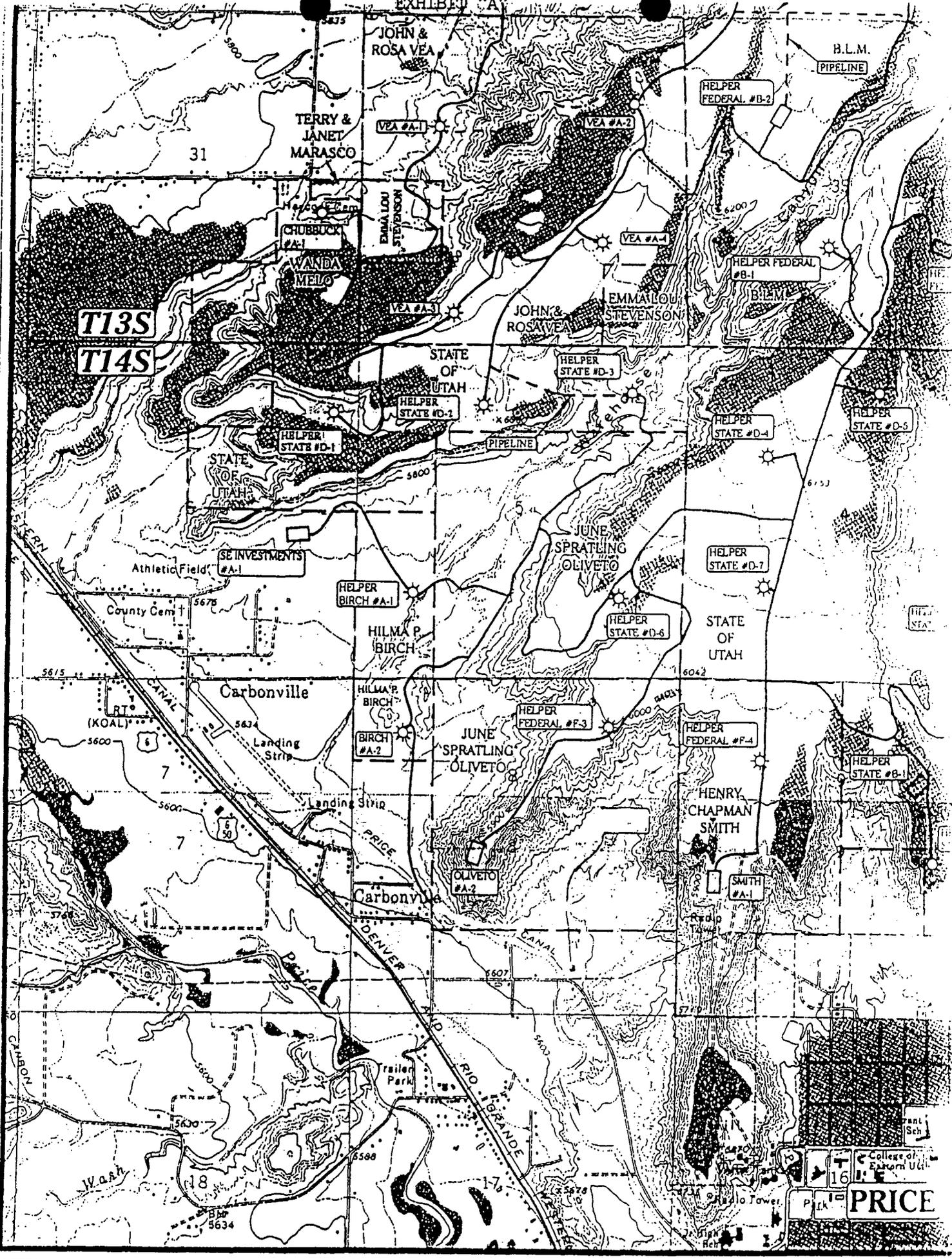
Given under my hand and seal this 24 day of June, 1999.



*Tammie A. Guerrero*  
Notary Public  
Residing at:

My Commission Expires: 2-19-01

EXHIBIT "A"



T13S  
T14S

STATE OF UTAH

STATE OF UTAH

STATE OF UTAH

Carbonville

Carbonville

HENRY CHAPMAN SMITH

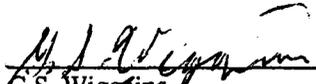
PRICE

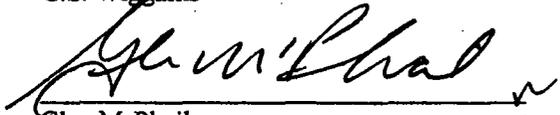
**EXHIBIT "B"**

Attached to and made a part of that certain Surface Land Use Agreement effective the 11th day of February, 1999, by and between G.S. Wiggains, a single man as Grantor, and Anadarko Petroleum Corporation, as Grantee.

1. A well location approximately two hundred ten feet (210') by three hundred forty feet (340') (1.64 acres) in the SE1/4NW1/4, NE1/4SW1/4, Section 5, T14S-R10E, SLM, Carbon County, Utah. (Oliveto #A-2).
3. A road/pipeline/power line right-of-way forty feet (40') wide by approximately three thousand five hundred (3,500') long (200 rods) (3.21 acres) more or less, in the lands covered by this Agreement as shown on Exhibit "A".

**SIGNED FOR IDENTIFICATION**

  
\_\_\_\_\_  
G.S. Wiggains

  
\_\_\_\_\_  
Glen McPhail

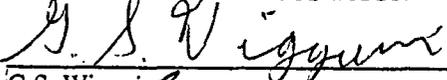


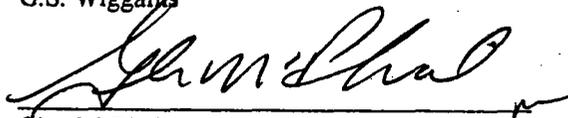
**EXHIBIT "C"**  
**SPECIAL STIPULATIONS**

Attached to and made a part of that certain Surface Land Use Agreement effective the 11th day of February, 1999, by and between G.S. Wiggains, a single man, as Grantor, and Anadarko Petroleum Corporation, as Grantee.

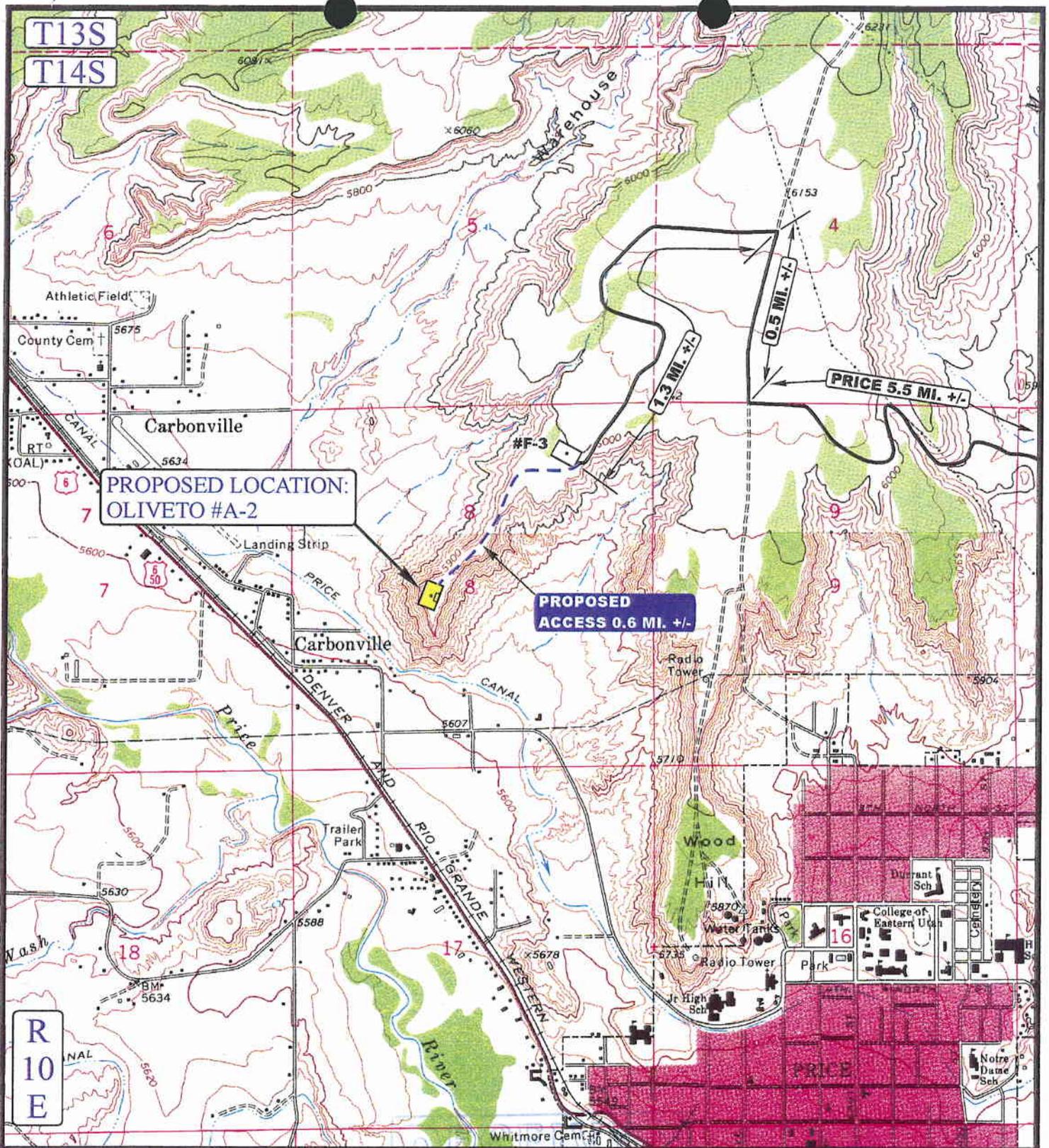
1. Each pipeline and power line installed hereunder shall be constructed not less than five (5) feet below the surface elevation of said land at the time of construction, provided that subsoil and subsurface conditions will permit a pipeline or power line to be constructed at this depth using normal construction methods. In the event that rock or other subsoil or subsurface conditions, including other previously laid pipe or other lines, do not permit a pipeline or power line to be constructed at this depth by normal construction methods, each pipeline or power line constructed hereunder shall be constructed at the lowest depth above the five (5) feet minimum depth specified above that normal construction methods will permit. It is agreed and understood that there is no obligation on the part of Grantee to bury power lines. Grantor, its successors or assigns, shall give reasonable notice to Grantee before crossing a pipeline or power line at locations other than existing roadways so that Grantee may instruct Grantor on what measures must be taken by Grantor to protect such facilities from damage.
2. It is hereby understood and agreed that by the execution of this agreement, Grantee does not serve to waive, forfeit, or limit any rights it may have by virtue of the mineral Lease(s) active on the subject properties and shall not be deemed as a limitation on additional surface use if further mineral development is contemplated. If the need for such additional surface use arises, Grantor and Grantee agree to negotiate in good faith to reach an agreement substantially similar in form to this agreement for such use.
3. Lockable gates shall be installed by Grantee wherever roads shall go through any fences located on Grantors lands that are subject to this Agreement.
4. Grantee shall have the right at any time, but not the necessity, to remove or abandon in place all machinery, fixtures, power lines and pipelines placed on or in said land, including the right to draw and remove casing. In no event shall Grantor be due any further damages for Grantee's efforts to restore the surface of the subject lands.
5. All roads shall be constructed with appropriate ditches and drain culverts to allow proper drainage off of said roads and also to prevent water from backing up along said roads, all at the sole expense of Grantee.

**SIGNED FOR IDENTIFICATION**

  
\_\_\_\_\_  
G.S. Wiggains

  
\_\_\_\_\_  
Glen McPhail





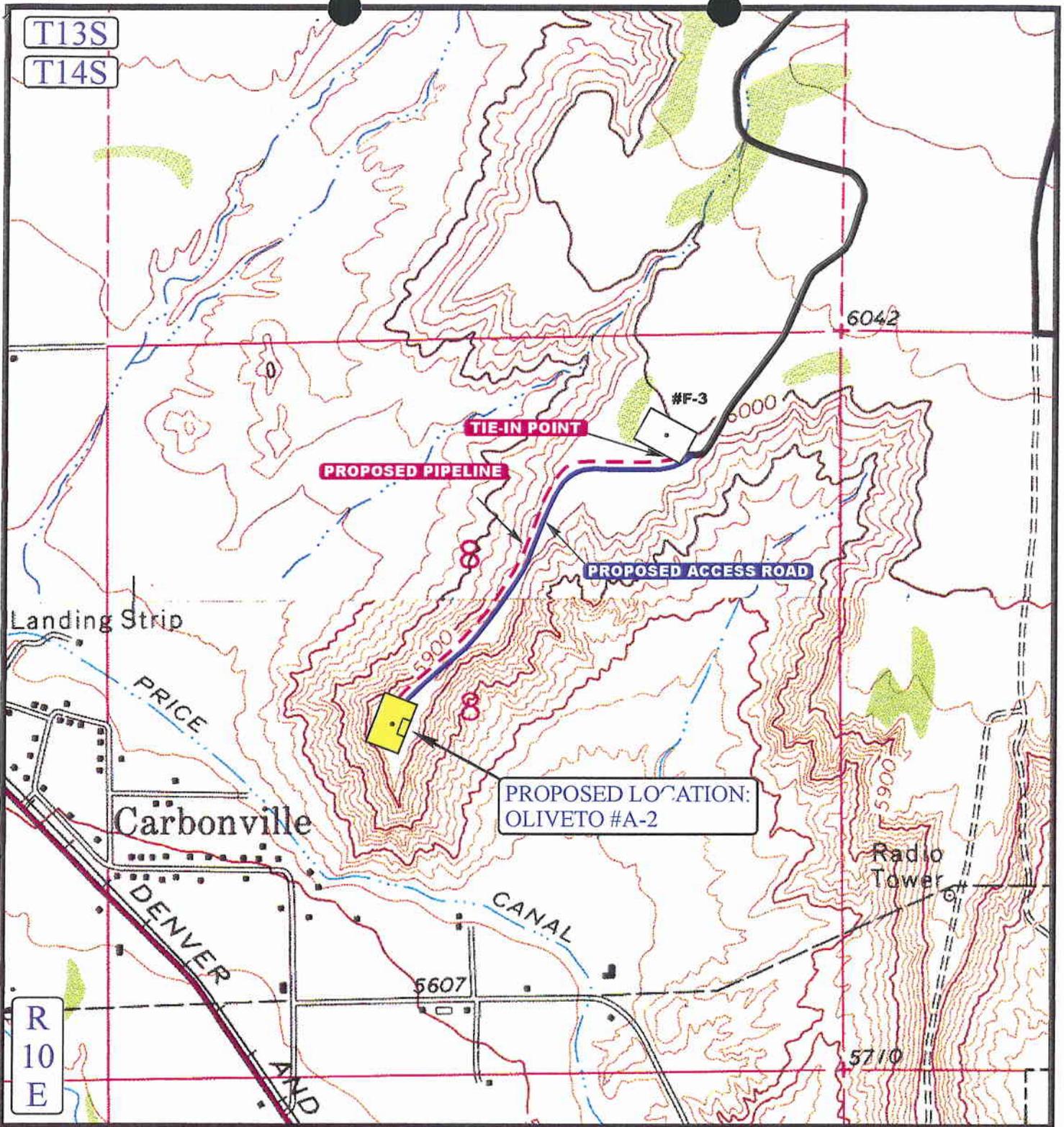
**ANADARKO PETROLEUM CORP.**

**OLIVETO #A-2**  
**SECTION 8, T14S, R10E, 6th P.M.**  
 2569' FSL 2067' FWL

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

**TOPOGRAPHIC MAP**  
 11 3 98  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

**B**  
 TOPO



**APPROXIMATE TOTAL PIPELINE DISTANCE = 3000' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

**ANADARKO PETROLEUM CORP.**

OLIVETO #A-2  
SECTION 8, T14S, R10E, 6th P.M.  
2569' FSL 2067' FWL



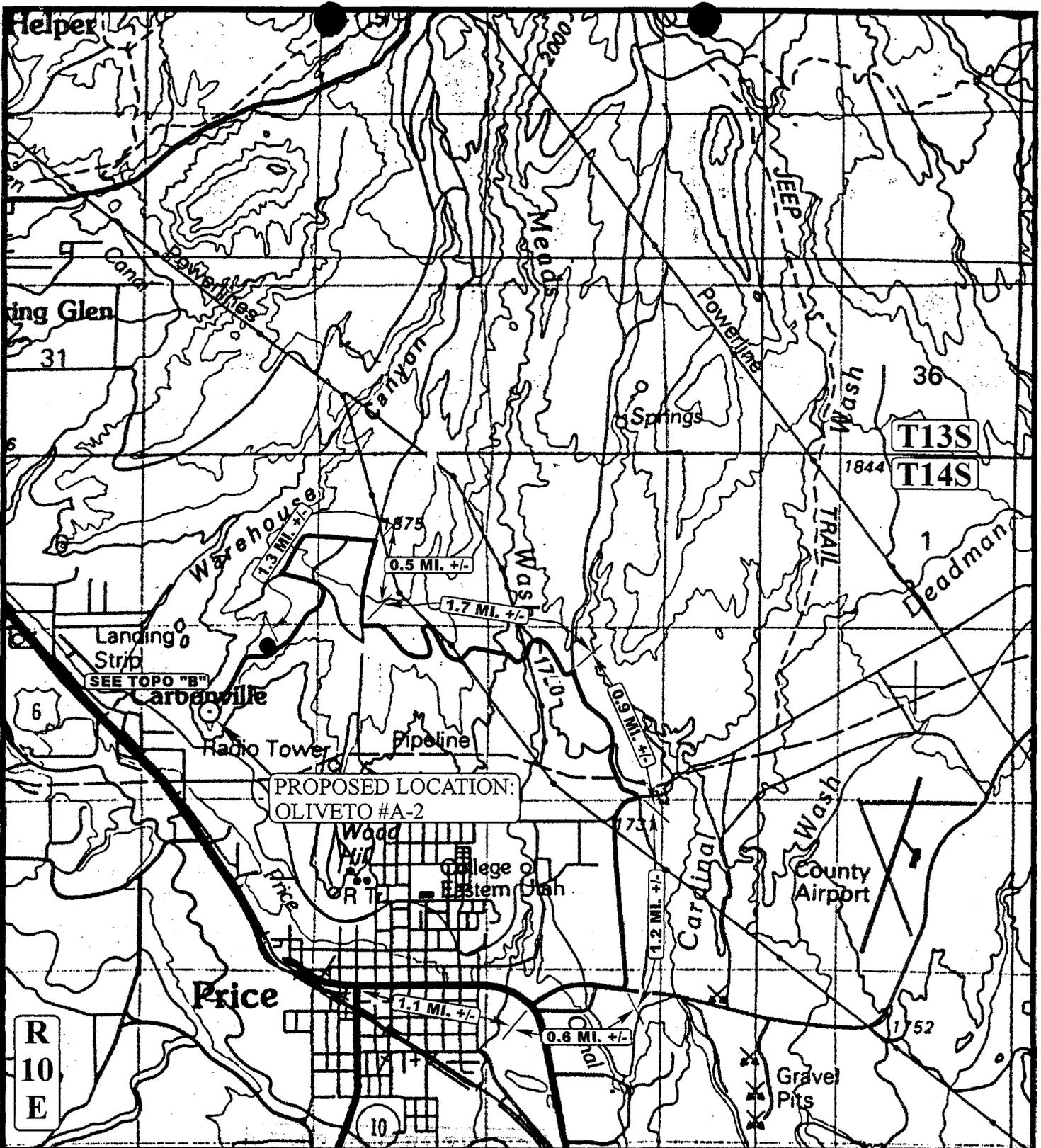
Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**11 3 98**  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00





PROPOSED LOCATION:  
OLIVETO #A-2

R  
10  
E

LEGEND:

○ PROPOSED LOCATION

ANADARKO PETROLEUM CORP.

OLIVETO #A-2  
SECTION 8, T14S, R10E, S.L.B.&M.  
2569' FSL 2067' FWL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1018



TOPOGRAPHIC  
MAP

11 3 98  
MONTH DAY YEAR

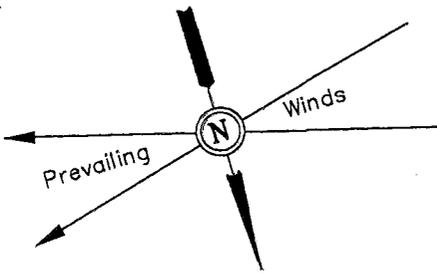
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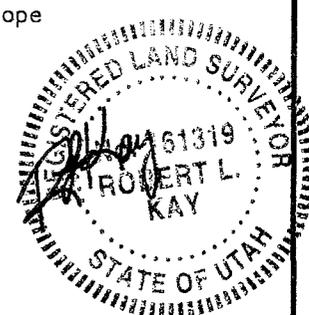
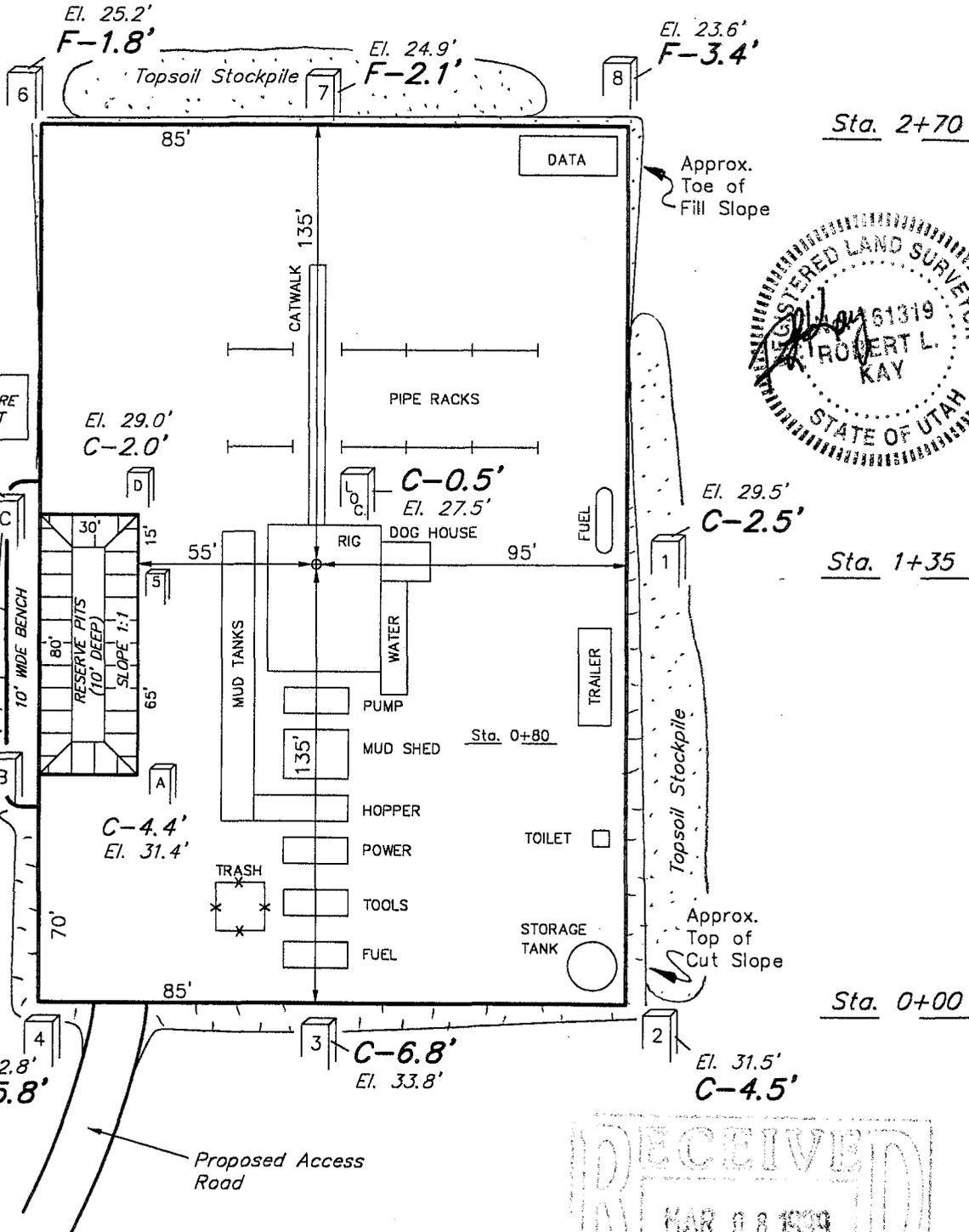
# ADARKO PETROLEUM CORP.

## LOCATION LAYOUT FOR

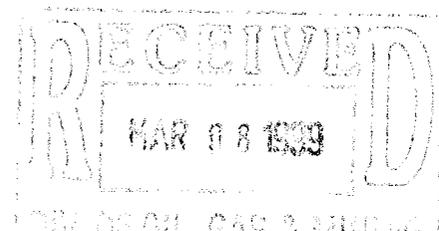
OLIVETO #A-2  
SECTION 8, T14S, R10E, S.L.B.&M.  
2569' FSL 2067' FWL



SCALE: 1" = 50'  
DATE: 11-16-98  
Drawn By: C.B.T.



NOTE:  
Pit Capacity with  
2' of Freeboard  
= 1,770 Bbbls.



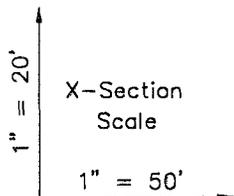
ELEV. UNGRADED GROUND AT LOC. STAKE = 5927.5'  
ELEV. GRADED GROUND AT LOC. STAKE = 5927.0'

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

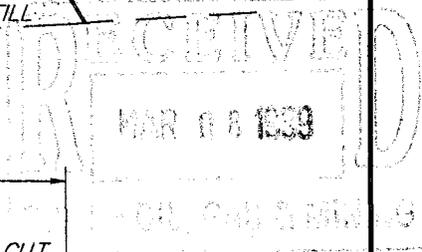
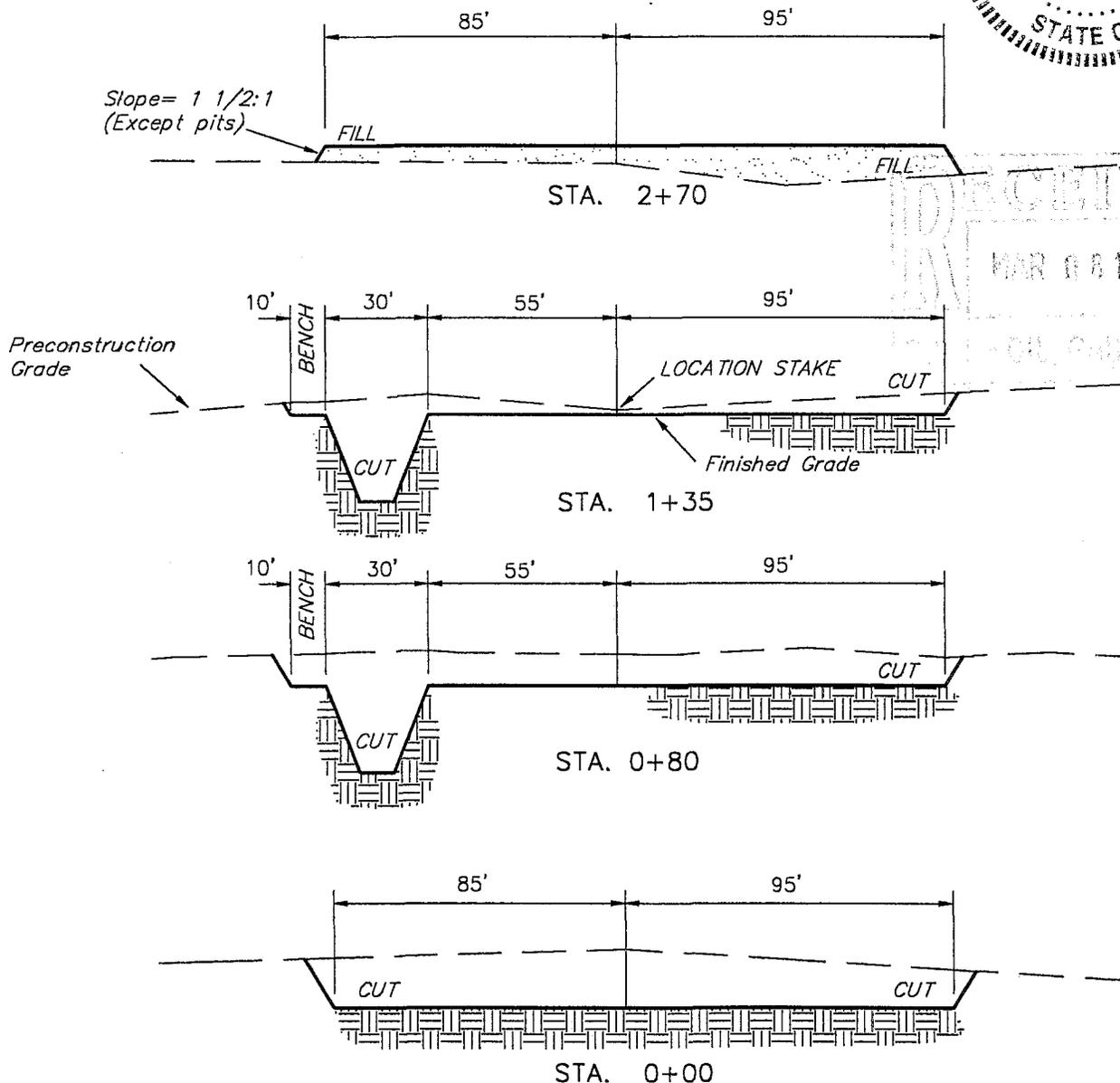
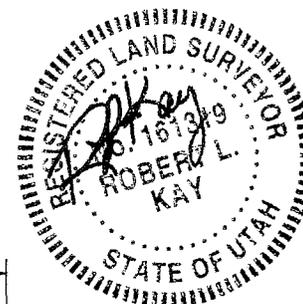
# ANADARKO PETROLEUM CORP.

## TYPICAL CROSS SECTIONS FOR

OLIVETO #A-2  
SECTION 8, T14S, R10E, S.L.B.&M.  
2569' FSL 2067' FWL



DATE: 11-16-98  
Drawn By: C.B.T.



### APPROXIMATE YARDAGES

<b>CUT</b>	
(6") Topsoil Stripping	= 900 Cu. Yds.
Remaining Location	= 4,130 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 5,030 CU.YDS.</b>
<b>FILL</b>	<b>= 1,260 CU.YDS.</b>

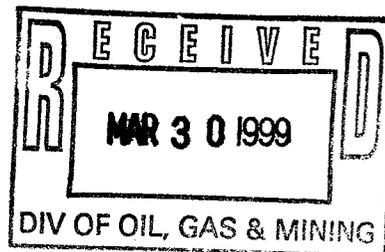
EXCESS MATERIAL AFTER 5% COMPACTION	= 3,700 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,170 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,530 Cu. Yds.

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



March 25, 1999

State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-6801



Attention: Lisha Cordova

RE: Oliveto Federal A-2  
Section 8, Township 14S, Range 10E

Gentlemen:

In accordance with Rule 649-3-3, Exception to Location and Siting of Wells, Anadarko Petroleum Corporation hereby requests a location exception for the Oliveto Federal A-2 in Carbon County, Utah. This location exception is requested due to topography in this area which mandates that this well be positioned 2569' from the south line and 2067' from the west line of Section 8, Township 14S, Range 10E. In addition, placing the well at this location keeps it out of sight of the nearby residential area. Anadarko is its own offset operator and waives its objection to this exception.

Please call me at (281) 874-8766 if you require further information or have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Judy Davidson".

Judy Davidson  
Regulatory Analyst

JD/me

March 4, 1999



State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801

Attention: Lisha Cordova

RE: Applications for Permit to Drill  
Carbon County

Gentlemen:

Enclosed, in duplicate, are Applications for Permit to Drill (BLM Form 3160-3) for the following wells in Carbon County. These applications have also been submitted to the Bureau of Land Management District Office in Moab this date, with a copy to the Bureau of Land Management Field Office in Price.

Smith Federal A-1  
Oliveto Federal A-1  
Oliveto Federal A-2  
Oliveto Federal SWD A-3

Estimated start-up date to begin drilling the first well is on or about April 16, 1999. Please call me at (281) 874-8766 if you require further information or have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Judy Davidson".

Judy Davidson  
Regulatory Analyst

JD/me  
enclosures

RECEIVED  
MAR 11 1999  
BLM

**DRILLING PLAN  
TO ACCOMPANY APPLICATION FOR PERMIT TO DRILL**

Company: Anadarko Petroleum Corporation

Well: Oliveto Federal A-2

Location: 2569' FSL & 2067' FWL  
T14S R10E Sec 8  
Carbon County, Utah

Lease: 430070004200

Surface Elevation: 5928

A. Estimated Tops of Important Geologic Markers:

<u>GEOLOGIC MARKER</u>	<u>DEPTH</u>
Emery	Surface
Bluegate Shale	778
Ferron SS Member	1878
Ferron Coal Top	1893
Base of Ferron Coal	2023
Tununk Shale	2113

B. Estimated Depth at which Water, Oil, Gas or other Mineral-Bearing zones are expected to be encountered:

Gas-bearing Ferron Sandstone Member is expected to be encountered from: 1878 - 2023.

All fresh water zones and prospectively valuable mineral zones encountered during drilling will be recorded by depth and adequately protected. All significant oil and gas shows will be tested to determine commercial potential.

C. Pressure Control Equipment:

A 9" 3000 psi WP double gate hydraulic BOP with pipe rams and blind rams will be installed on the 8-5/8" casinghead. In addition to the BOP stack, a rotating head will be installed on top of the BOP to assist in safe air drilling operations. The BOP stack will be tested prior to drilling below surface casing. The ram preventers will be tested to 70% of the working pressure of the casinghead. The annular will be tested to 50% of its working pressure. Operational checks will be made daily or on trips. A BOP schematic is shown on attached Exhibit "A".

The BOP system will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order. This inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. The accumulator system will meet IADC guidelines concerning pump capacities, storage capacity, and reservoir volume. Closing unit fluid volume will be sufficient to pre-charge the system to operating pressure plus 50% excess. One set of controls will be in the doghouse on the rig floor and one set will be remote on the drilling pad.

D. Casing Program

Surface Casing: 8-5/8", 24#, J55, LTC new casing will be set at approximately 300'.  
Production Casing: 5-1/2" 17#, N80, LTC, new casing will be set at TD if productive.

D. Casing Program (continued)

Casing Design Factors

The safety factors on casing strings will equal or exceed the following values:

Collapse	1.0
Joint Strength	1.6
Burst	1.33

E. Cement Program

Surface - Cement will be circulated to the surface. Casing will be cemented with approximately 200 cu. ft. of API Class 'G' cement.

Production - Casing will be cemented with approximately 300 cu. ft. of API Class 'G' cement. The actual cement volume will be based upon hole depth and gauge, and will be determined from logs.

Additional additives will be used to retard the cement, accelerate the cement, control lost circulation, or control fluid loss. All cementing will be done in accordance with API cementing practices.

The cement program will be modified to cover and adequately protected the Mancos Shale if water is encountered while drilling.

F. Mud Program and Circulating Medium:

A truck-mounted air drilling rig will be used to drill the surface hole to 300' and to pre-set the surface casing before moving a drilling rig on location to drill the rest of the hole to TD. An air or air/mist system will be used for drilling from below surface pipe at 400' to TD. The mud/fluid system will be monitored visually and with a gas chromatograph detector.

G. Coring, Logging, and Testing Program:

- a. Rotary sidewall coring in the Ferron Sandstone interval may be performed, depending upon shows and hole conditions.
- b. DST's may be run depending upon shows.
- c. The following logging program is planned:
  1. SDL-GR-CAL over prospective intervals..
  2. DIL- SP-GR-CAL over prospective intervals
- d. A mud logging unit with chromatograph will be used from approximately 1000' to TD.
- e. After production casing is installed, a cement bond log will be run to determine the top of cement. Productive zones will then be perforated and swab tested. Water produced during testing will be contained in the temporary reserve pit. All produced oil will be stored and sold. Gas will be flared during testing.

H. Abnormal Conditions and Potential Hazards:

Abnormal conditions such as abnormal temperatures or pressures are not anticipated. Reservoir pressure is only anticipated to be 1200 psi. Potential hazards such as H2S are also not anticipated.

Base of rotary table  
or floor beams

Minimum, 6 inches

Bell Nipple

Flow Line

Minimum 2"  
Fill-up Line

Annular

BLIND RAMS

PIPE RAMS

Minimum 2" Kill L.  
Swivel type swing

2" Minimum

2" Minimum

Check valve

Contractor will not make  
any connections below  
this line and will furnish  
all connections above

Casing Head Housing  
with 2-2" Flanged outlets

MINIMUM WORKING PRESSURE

Reserve Pit

2" Cameron Type "H"  
Style "C" (or equivalent)  
Choke with 1/2" or 3/4" flow  
bores.

Mud Tank

Cameron Type "D"  
or equal pressure  
gauge installed on  
flanged valve

2"

2"

Mud Tank

2" Adjustable choke  
(Sheffer-Type 34 or equivalent)  
w/ hardmetal tip & 1" Tungsten  
carbide choke.



MINIMUM BLOWOUT PREVENTER  
REQUIREMENTS - NORMAL  
PRESSURE SERVICE

## SURFACE USE PLAN

Anadarko Petroleum Corporation  
Ferron Natural Gas Project  
Helper Field  
Carbon Co., Utah

1. Existing Roads: (Please reference Topo, Access, and Area Map)
  - a. Location of the proposed well is approximately 2-3 miles north of Price, Utah.
  - b. Proposed route to location: (Reference Topo, Access, and Area Map).
  - c. Location and description of roads in the area: (Reference Topo, Access, and Area Map).
  - d. Plans for improvement and/or maintenance of existing roads: The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and in accordance with the Ferron Natural Gas EIS.
  
2. Planned Access Roads:
  - a. Access Roads will be constructed using standard equipment and techniques such as the crown-and-ditch method (BLM 1989). Heavy equipment will clear vegetation and topsoil materials from the road surface. Both materials will be windrowed for future redistribution during reclamation. All roads will be constructed with , adequate drainage and erosion control features/structures (e.g., cut and fill slopes and drainage ditch stabilization, relief and drainage culverts, water bars, wing ditches, and rip-rap). When needed, four inches of sand and gravel will be placed on newly constructed roads to provide a year round travel way surface. The maximum disturbed width will not exceed 30' with a sixteen foot running surface. Dust will be controlled by the use of water or an approved dust retardant, as directed by the Price Field Office Manager. All roads will be maintained in as good or better condition than existing condition and in accordance with the Ferron Natural Gas EIS.
  - b. Maximum grades: Maximum road grades will not exceed 15%.
  - c. Location: New roads that will be constructed for access off of the existing roads are flagged. (Refer to isubmitted Topographic, Access, and Area Maps).
  - d. Drainage: The road surface will be center crowned with ditches on each side of road. Slopes will have a maximum slope of 3:1.
  - e. Culverts will be used where necessary during the drilling phase of operations. Further evaluation will be made for the additions of culverts if the road is to have long-term use.
  - f. Surface materials (source): Surface materials will be most likely not be required to be transported to the access road or drillpad for construction purposes. However, if gravel is required, the dirt contractor will be responsible for locating and permitting of any necessary construction material.

3. Locations of existing wells:

**Helper Field - Ferron Natural Gas Project  
Existing Well Locations**

<b>Well Name</b>	<b>Location</b>	<b>Sec</b>	<b>Tw</b>	<b>Rng</b>
Federal A-1	SW 1141' FSL & 1325' FWL	23	13S	10E
Federal A-2	1464 FSL & 2244 FWL	22	13S	10E
Federal A-3	1271 FSL & 324 FEL	22	13S	10E
Federal B-5	1139 FNL & 629 FEL	27	13S	10E
Federal C-1	2169 FNL & 697 FEL	22	13S	10E
Federal B-1	1650 FSL & 2310	33	13S	10E
Federal D-1	SW NE 1413' FNL & 1567' FEL	26	13S	10E
State A-1	NW 1621' FNL & 2019' FWL	3	14S	10E
State D-7	SW 1500' FSL & 1200' FWL	4	14S	10E
Birch A-1	SW 1507' FSL & 856' FWL	5	14S	10E
State D-3	691' FNL & 1006' FEL	5	14S	10E
State D-6	1300' FSL & 999' FEL	5	14S	10E
Helper Federal F-3	698' FNL & 1302' FEL	8	14S	10E
Helper Federal F-4	1294' FNL & 1182' FWL	9	14S	10E
Helper State A-2	1321' FNL & 464' FEL	3	14S	10E
Helper State A-3	1200' FNL & 900' FWL	2	14S	10E
Helper State A-4	1100' FNL & 1700' FEL	2	14S	10E
Helper State A-5	1816' FSL & 2201' FWL	3	14S	10E
Helper State A-6	2288' FSL & 820' FEL	3	14S	10E
Helper State A-7	1635' FSL & 1497' FWL	2	14S	10E
Helper State A-8	1700' FSL & 2000' FEL	2	14S	10E
Helper State A-9	1335' FNL & 1602' FWL	10	14S	10E
Helper State B-1	1595' FNL & 1406' FEL	9	14S	10E
Helper State D-4	1681' FNL & 1232' FWL	4	14S	10E
Helper State D-5	644' FNL & 2165' FEL	4	14S	10E
Helper State D-8	1059' FSL & 395' FEL	4	14S	10E
Birch A-2	945' FNL & 825' FWL	8	14S	10E
Helper SWD #1	1131' FSL & 2194' FWL	3	14S	10E
HELPER STATE A-10	1275' FNL & 2306' FEL	10	14S	10E
HELPER STATE A-11	1450' FNL & 1206' FWL	11	14S	10E
HELPER STATE A-12	2130' FSL & 1180' FWL	10	14S	10E
HELPER STATE A-13	2431' FSL & 736' FEL	10	14S	10E
HELPER STATE B-2	2438' FSL & 1090' FEL	9	14S	10E
HELPER STATE D-1	1131' FNL & 429' FEL	6	14S	10E
HELPER STATE D-2	1000' FNL & 2058' FWL	5	14S	10E
VEA A-1	1731' FNL & 1291' FWL	32	13S	10E
VEA A-2	1307' FNL & 842' FEL	32	13S	10E
VEA A-3	700' FSL & 1641' FWL	32	13S	10E
VEA A-4	1000' FNL & 2058' FWL	32	13S	10E
CHUBBUCK A-1	2017' FSL & 676' FEL	31	13S	10E

4. Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee and in accordance with the EIS for the Ferron Natural Gas Project. This will include all facilities except those required to comply with O.S.H.A. (Occupational Safety and Health Act) regulations. These will be painted the color stipulated by O.S.H.A. All facilities will be painted within six months of installation.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

If at any time, any off-lease storage, off-lease measurement, or commingling on-lease or off-lease occurs, there shall first be prior written approval from the AO.

Gas meter runs for each well, if needed, will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on each well location. The oil and gas meters will be calibrated in place prior to any deliveries. Test for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to Price Field Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

Water supply for drilling and completion purposes will be furnished by a water hauler and will be obtained from the Price River Municipal Water District located nearby.

6. Source of Construction Material:

Native material will be used for road surfacing and pad construction. Should additional construction material be required, it will be the responsibility of the dirt contractor to locate and permit (if necessary) use of that material. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3 and the EIS for the Ferron Natural Gas Project.

7. Methods of Handling Waste Disposal

All reserve pits will be lined.

Produced waste water will be confined to a lined pits for a period not to exceed 90-days after initial production.

Trash will be confined in covered containers and hauled to an approved landfill. Burning of waste or oil is not approved, and spoil material will be kept on site for recontouring.

No bore holes will be used for disposal of waste materials. Human waste will be contained and will be disposed of at an approved sanitary landfill.

8. Ancillary Facilities:

Associated roads, pipelines, and electric lines will be installed as per attached Figure 2-1.

9. Wellsite Layout:

*Please refer to the submitted site layout diagram.*

The locations and access roads will be cleared of trees prior to any construction. Stumps will be scattered or buried in an area designated by the BLM. Any stump left in place will be cut so that the stump height does not exceed 12 inches. All slash less than four inches in diameter will be chipped or scattered outside the cleared area and must be within 24 inches of the ground at all points. All material four inches in diameter or greater will be removed from Federal land, unless otherwise directed. All of the above will take place prior to placement of drilling facilities.

Topsoil and vegetation will be stripped together to a depth of 6 to 8 inches and stockpiled by wind-row on the northeast edge of the location. No topsoil stripping will be allowed when soils are moisture saturated to a depth of 3 inches, or frozen below the stripping depth.

The reserve pit will be fenced on three sides prior to drilling activity and closed off on the fourth side after drilling is finished. Fencing will be four strands of barbed wire or 48-inch woven wire with one strand of barbed wire above the woven wire. All corners will be braced with a wooden H-type brace. The fence construction will be on cut or undisturbed ground and the fence will be maintained in a livestock tight condition.

10. Plans for Restoration of Surface:

The Price Field Office Manager will be notified at least 24-hours prior to commencing reclamation work.

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash, and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

*If well is completed as a producer:*

Unneeded areas of the location will be reclaimed as soon as the reserve pit has dried. The access road will be upgraded and maintained as necessary to prevent soil erosion and accommodate year-round traffic. Reshape areas unnecessary to operations, rip or disk on the contour, and seed all disturbed area outside the work area according to the seed mixture specified in the EIS for the Ferron Natural Gas Project. Save the topsoil for use during final reclamation unless the site can be recontoured to blend with the natural topography as required for final abandonment. Perennial vegetation must be established. Additional work will be required in case of seeding failures. All permanent facilities placed on the locations will be painted to blend with the natural environment.

10. Plans for Restoration of Surface (Continued):

*If well is abandoned/dry hole:*

Restore the access road and location to blend with the natural topography. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the locations and re-seed according to the EIS for the Ferron Natural Gas Project. The access roads and locations will be ripped or disked prior to seeding.

Prepare seed-bed by contour cultivating four to six inches deep. Drill seed 1/2 to 1 inch deep following the contour. In areas that cannot be drilled, broadcast seed at 1.5 times the application rate and cover 1/2 to 1 inch deep with a harrow or drag-bar.

Fall seeding will be completed after September 1 and prior to ground frost. Spring seeding will be completed after the frost has left the ground and prior to June 1.

11. Surface and Minerals Ownership:

The surface is owned by June Spratling Oliveto. The minerals are owned by the United States of America, Department of the Interior, Bureau of Land Management.

Contact Paul D'Ambrusco (435) 637-1843, W (435) 637-6070 or G. S. Wiggins, (505) 896-5721

12. Other Information:

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFT 3162.2 and in accordance with the EIS for the Ferron Natural Gas Project.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.2.

The dirt contractor will be provided with an approved copy of the APD & Surface Use Plan.

An archaeology survey for the proposed well has been performed by Montgomery & Associates and this survey has been submitted to the Utah State Historical Preservation Office (SHPO), Price District BLM, Moab District BLM and the Price Field Office.

The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts or fossils. The Operator will immediately bring to the attention of the Price Field Office Manager any and all antiquities or other objects of historic or scientific interest including, but not limited to, historic or prehistoric ruins, artifacts, or fossils discovered as a result of operations under this permit. The operator will immediately suspend all activities in the area of the object and will leave such discoveries intact until told to proceed by the Price Field Office Manager. Notice to proceed will be based upon evaluation of the cultural significance of the object. Evaluation will be by a qualified professional selected by the Price Field Office Manager from a Federal Agency insofar as practical. When not practical, the Operator will follow the mitigation requirements set forth by the Price Field Office Manager concerning protection, preservation, or disposition of any sites or material discovered. Within five working days the Price Field Office Manager will inform the Operator as to:

12. Other Information (Continued):

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

the mitigation measure(s) the Operator will likely have to undertake before the site

can be used (assuming in situ preservation is not necessary); and,

a time frame for the Price Field Office Manager to complete an expedited review under 36 CFR 800.11 to conform, through the State Historic Preservation Officer, that the findings of the Price Field Office Manager are correct and that mitigation is appropriate.

If the Operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Price Field Office Manager will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, in those situations where the Price Field Office Manager determines that mitigation, data recovery and/or salvage excavations are necessary, the Operator will bear the cost. The Price Field Office Manager will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Price Field Office Manager that the required mitigation has been completed, the Operator will then be allowed to resume construction.

13. Lessee's or Operator's Representatives and Certification:

REPRESENTATIVE

Name: Bruce Darlington  
Phone: 281-874-1673  
Address: Anadarko Petroleum Corporation  
17001 Northchase Drive  
Houston, Texas 77060

CERTIFICATION

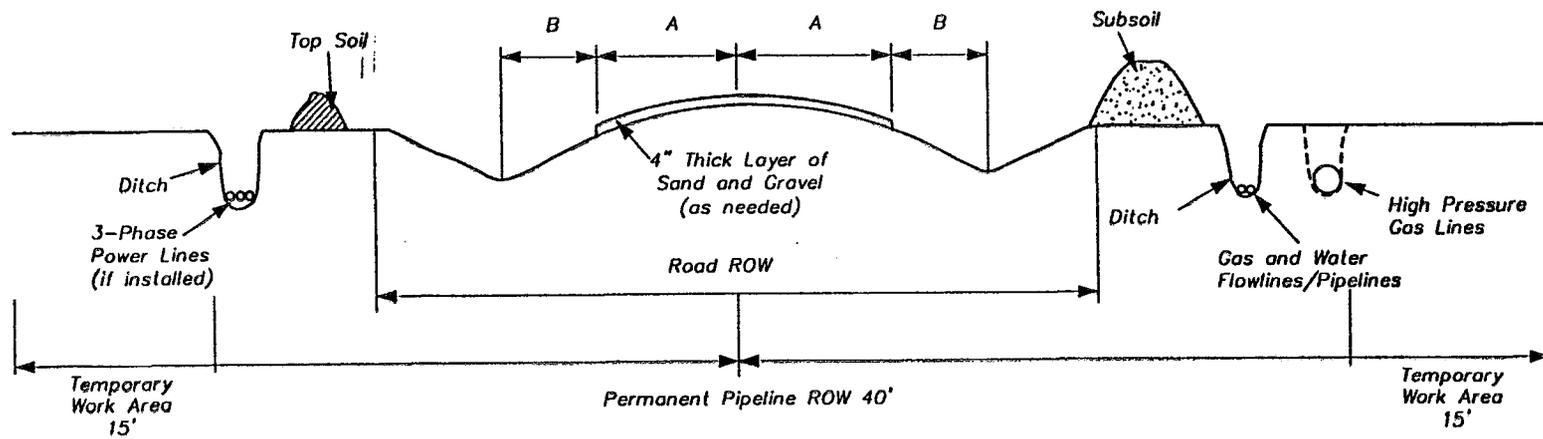
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsites and access routes, that I am familiar with the conditions which currently exist, that the statements made in this plan are to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by

ANADARKO PETROLEUM 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.

02-11-99  
Date

  
\_\_\_\_\_  
Bruce Darlington  
Sr. Drilling Engineer



	Surfaced Travel Way Width (ft.)	A (ft.)	B (ft.)	Approximate Disturbance Width (ft.)	Total ROW Width (ft.)
Resource Road	16	8	4	70	40
Local Road	20	10	4	70	40
Collector Road	24	12	4	70	40

Not To Scale

**Figure 2-1**  
**Typical Roadbed**  
**and Pipeline/Utility Trench Cross Section**



17001 NORTHCHASE DRIVE, HOUSTON, TX 77060  
(281) 875-1101

February 11, 1999

Bureau of Land Management  
82 East Dogwood  
Moab, Utah 84532

RE:

<i>Well Name</i>	<i>Location At Surface</i>	<i>Sec</i>	<i>Twn</i>	<i>Rng</i>	<i>Lease</i>
Smith Federal A-1	2159 FSL 611 FWL	9	14S	10E	UTU-65762
Oliveto Federal A-1	1993 FSL 1250 FEL	8	14S	10E	UTU-65762
Oliveto Federal A-2	2569 FSL 2067 FWL	8	14S	10E	UTU-65762
Oliveto Federal SWD A-3	2722 FSL 1515 FEL	8	14S	10E	UTU-65762

To Whom it May Concern:

Please be advised that Anadarko Petroleum Corporation is considered to be the operator of the subject wells and is responsible under terms and conditions of the lease for the operations conducted on the leased lands. Bond coverage for these subject wells is provided by BLM Bond No. 153571 via surety consent as provided for in 43 CFR 3104.2.

The aforementioned operator and bond will be held liable until the provisions of 43 CFR 3106.7-2 continuing responsibility are met.

Sincerely,

A handwritten signature in cursive script, appearing to read "Bruce Darlington".

Bruce Darlington  
Sr. Drilling Engineer

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/08/1999

API NO. ASSIGNED: 43-007-30556

WELL NAME: OLIVETO FED A-2  
 OPERATOR: ANADARKO PETROLEUM CORP (N0035)  
 CONTACT: Judy Davidson (281) 874-8766

PROPOSED LOCATION:  
 NESW 08 - T14S - R10E  
 SURFACE: 2569-FSL-2067-FWL  
 BOTTOM: 2569-FSL-2067-FWL  
 CARBON COUNTY  
 HELPER PROPOSED FIELD (018)

INSPECT LOCATN BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: FED  
 LEASE NUMBER: UTU-65762  
 SURFACE OWNER: Fee

PROPOSED FORMATION: FRSD

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal  State  Fee   
 (No. 159571, etc.)

Potash (Y/N)

Oil Shale (Y/N) \*190-5(B)

Water Permit  
 (No. Permit / City of Price)

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

~~Fee Surf Agreement~~ (Y/N)

LOCATION AND SITING:

R649-2-3. Unit \_\_\_\_\_

R649-3-2. General

R649-3-3. Exception

Drilling Unit  
 Board Cause No: 241-1 (1160')  
 Date: 1-2-98

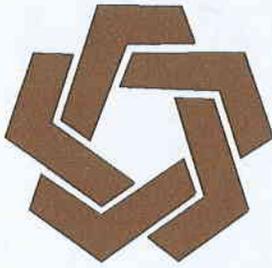
COMMENTS: Need add'l info. "Except. Proc. / 241-1". (Rec'd 3-30-99)  
\* Presite 7-30-99 (mailed Statement of Basis & Presite Info. 8-11-99) / e

STIPULATIONS: ① FEDERAL APPROVAL

\_\_\_\_\_

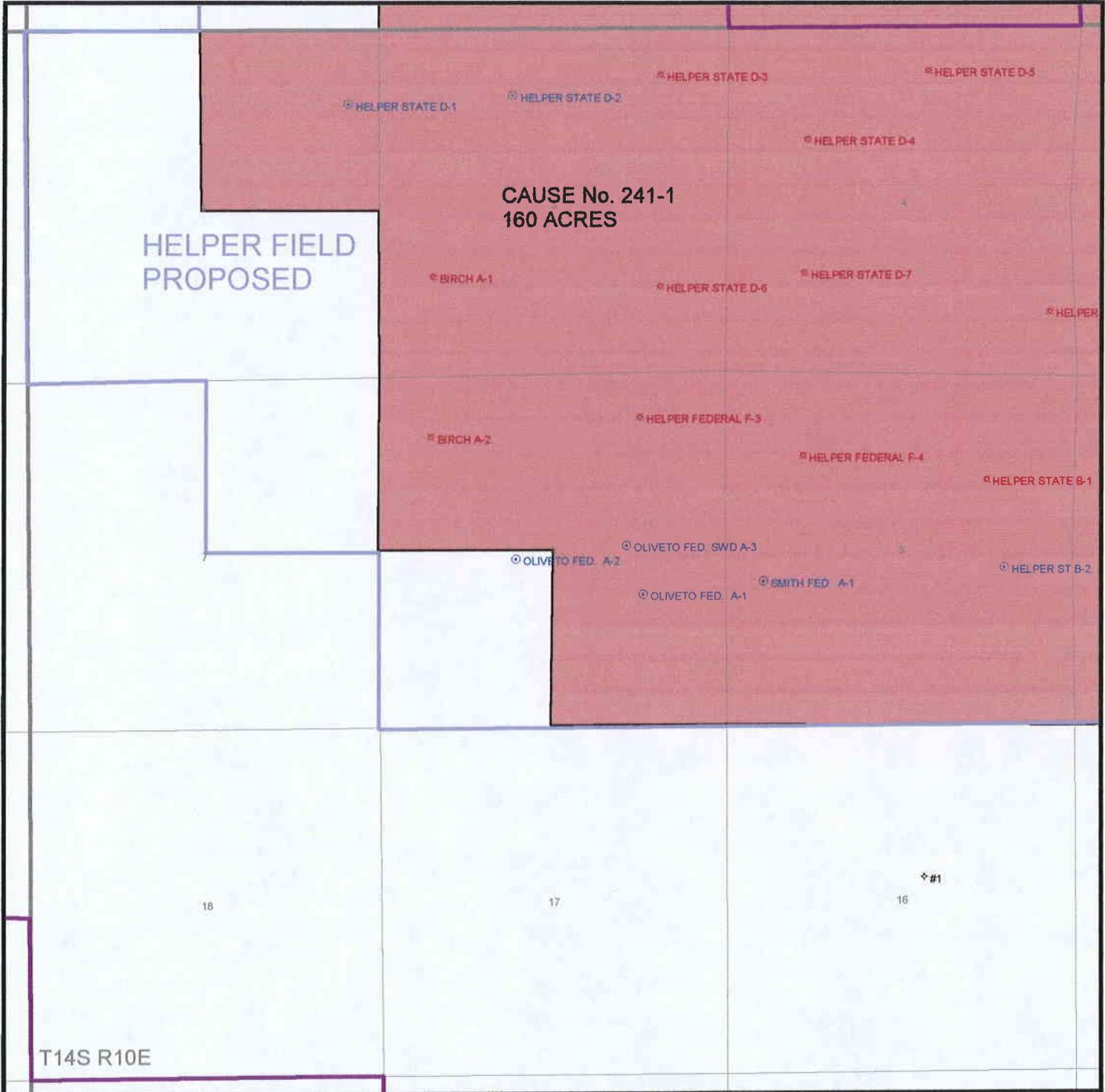
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Division of Oil, Gas & Mining

OPERATOR: ANADARKO PETROLEUM (N0035)  
FIELD: HELPER PROPOSED (018)  
SEC. 8 & 9, TWP 14S, RNG 10E  
COUNTY: CARBON CAUSE No: 241-1 160 ACRES



PREPARED  
DATE: 16-MAR-1999

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

**Operator Name:** Anadarko Petroleum Corporation

**Name & Number:** Oliveto Federal A - 2

**API Number:** 43 - 007 - 30556

**Location:**            1/4,1/4    NESW                    Sec. 8            T. 14 S            R. 10 E

**Geology/Ground Water:**

There are no aquifers with high quality ground water expected to be encountered. The proposed casing and cement program should adequately isolate any zones of water penetrated.

**Reviewer:** Christopher Kierst

**Date:** 8/9/99

**Surface:**

The moderately to highly permeable soil and nearby affected population militates the need for the protection of a lined pit. There are no nearby culinary or irrigation water supply wells. Several stock watering water rights but no water wells are recorded within a mile of the well site. Provision was made to ensure site rehabilitation, litter and waste control, preservation of drainage patterns and the integrity of local infrastructure, groundwater and other resources. Gathering systems and power lines will follow access roads. The location was photographed and characterized on 7/30/99.

**Reviewer:** Christopher Kierst

**Date:** 8/9/99

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

1. Recommend culverts sufficient to manage expected runoff, standing and surface water in crossed drainages.
2. Berm pit.
3. Site infrastructure as per drilling location plat.
4. Minimum 12 mil synthetic lined pit.
5. Soil storage as per drilling location plat.

**ON-SITE PREDRILL EVALUATION**

**Division of Oil, Gas and Mining**

OPERATOR: Anadarko Petroleum Corporation

WELL NAME & NUMBER: Oliveto Federal A-2

API NUMBER: 43-007-30556

LEASE: Fee FIELD/UNIT: Helper Field

LOCATION: 1/4,1/4 NESW Sec: 8 TWP:14S RNG:10E 2569 FSL 2067 FWL

LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM): X = 514,879; Y = 4,385,665

SURFACE OWNER: June Spratling Oliveto Trust, P. D'Ambrosio (435) 637-1843(H) or (435) 637-6070(W) and G. S. Wiggains (505) 896-6721. Mr. D'Ambrosio is the informal representative of the other listed surface owners due to health or inaccessibility considerations.

**PARTICIPANTS**

C. Kierst (DOGM), J.Hartman and K. Madden (Anadarko), D. Kay and T. Shiner (UELS), D. Wilcox (Neilson Construction), C. East (EIS). Surface owner representative was informed of onsite but did not attend. I contacted Mr. G. S. Wiggains at about 1:15 PM on 8/9/99 to verify that he had no desire to attend and confirmed that circumstance. Anadarko informs me that Ms. Oliveto is infirm.

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

Western margin of Colorado Plateau/~4.5 miles south of the 1000-1500' Book Cliffs of the Tavaputs Plateau. Location is on an isolated narrow neck of elevated ground overlooking Carbonville, Utah, on the north side and connected to a bench extending to the Price, Utah area from the foot of the Book Cliffs. The area slopes to the southwest toward the Price River. Benches occur to the west, north and east of the city. The location is ~1.25 miles northwest of Price, Utah.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Recreation and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: 270' X 180' pad with 80' X 30' X 10' reserve pit included as part of the location. 0.6 mile of approach road needed. Spoils and topsoil stockpiles and reserve pit backfill pile will be stored outboard of the pad.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: 5 Anadarko CBM production wells and 3 Anadarko CBM wells in APD status.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Water gathering system follows access road. Power for pumpjack is from produced gas.

SOURCE OF CONSTRUCTION MATERIAL: Native material will be used to gravel approach road and location. Any additional needs will be met by quarrying from Anadarko's own permitted gravel pit.

ANCILLARY FACILITIES: None

WASTE MANAGEMENT PLAN:

Portable toilets to be emptied into the City sewage treatment system; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. Reserve pit will be dried after use and then buried. Water produced during testing and completion will be stored in a synthetically-lined reserve pit and subsequently injected into a disposal well.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOOD PLAINS AND/OR WETLANDS: Price Canal is ~1,000' southwest of the stake. Price River is ~2/3 mile southwest.

FLORA/FAUNA: Mormon tea, juniper, cheat grass / birds, coyotes, rodents, raptors, reptiles.

SOIL TYPE AND CHARACTERISTICS: Unconsolidated, moderately-permeable soil developed on a Quaternary / Tertiary Pediment Mantle overlying the Blue Gate Shale Member of the Cretaceous Mancos Shale. Grain sizes largely range from silt to boulders. (GM-SM)

SURFACE FORMATION & CHARACTERISTICS: Quaternary / Tertiary Pediment Mantle (grain sizes range from silt to boulders) overlying the light gray, bentonitic Blue Gate Shale Member of the Mancos Shale.

EROSION/SEDIMENTATION/STABILITY: Stable

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: 80' X 30' X 10' excavated pit, bermed to deflect runoff.

LINER REQUIREMENTS (Site Ranking Form attached): Minimum 12 mil synthetic liner

SURFACE RESTORATION/RECLAMATION PLAN

SURFACE AGREEMENT: Surface owner agreement has been provided and is in the file.

CULTURAL RESOURCES/ARCHAEOLOGY: None needed - fee acreage.

OTHER OBSERVATIONS/COMMENTS

The location out on a point overlooking Carbonville, Utah. Canal is at foot of point. The BLM, which is the administrating agency for the federal mineral estate is seeking a 4' high berm on the south end of

the pad for viewshed reasons.

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ATTACHMENTS:

4 photos (5-8)

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Christopher Kierst  
OGM REPRESENTATIVE

7/30/99 10:20 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	15	<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	
F resh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<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>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>10</u>
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
 <b>Final Score</b> (Level I Sensitivity)		 <u>25</u>



UTAH DIVISION OF WATER RIGHTS  
 NWPLAT POINT OF DIVERSION LOCATION PRO

MAP CHAR	WATER RIGHT	CFS	QUANTITY AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO	DIAMETER DEPTH YEAR LOG	POIN NORTH
0	91 560	.5000	.00	Spring Areas (3)		S 550
				WATER USE(S): IRRIGATION STOCKWATERING		
				Howard, Robert J. & Beverly	Route #1, Box 27P	
1	91 3942	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Hunt, Delta C.		
2	91 2278	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Beckell, Henry J.	1719 7th	
2	91 2280	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Jensen, Therald N.		
3	91 4063	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Pace, Lillace	262 North 3rd East	
4	91 2279	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Ballard, Martin H.		
4	91 2279	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Ballard, Martin H.		
4	91 3863	.0110	.00	Unnamed Spring		
				WATER USE(S): STOCKWATERING		
				Ballard, Martin H.	Box 49. Rt. #1	
4	91 4062	.1000	.00	4 Unnamed Springs		
				WATER USE(S): STOCKWATERING		
				Pace, Lillace	262 North 3rd East	
4	91 4063	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Pace, Lillace	262 North 3rd East	
5	91 2278	.0000	.00	Price River		
				WATER USE(S): STOCKWATERING		
				Beckell, Henry J.	1719 7th	
6	91 490	.0000	.00	Pinnacle Wash		
				WATER USE(S): STOCKWATERING		
				Dickman, Dean & Luella	Box 163	
7	91 2281	.0000	.00	Price River		

	WATER USE(S): STOCKWATERING		
	Pilling, Clarence Peter		Route #1
7	<u>91 2281</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Pilling, Clarence Peter		Route #1
8	<u>91 2280</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Jensen, Therald N.		
8	<u>91 486</u> .0000 .00	Pinnacle Wash	
	WATER USE(S): STOCKWATERING		
	Ballard, Martin H.		
8	<u>91 486</u> .0000 .00	Pinnacle Wash	
	WATER USE(S): STOCKWATERING		
	Ballard, Martin H.		
9	<u>91 4062</u> .1000 .00	4 Unnamed Springs	
	WATER USE(S): STOCKWATERING		
	Pace, Lillace		262 North 3rd East
A	<u>91 2284</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Pollock, Joe & Jaunita		
B	<u>91 2284</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Pollock, Joe & Jaunita		
B	<u>91 2285</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Hamelwright, Cloy		Route #1, Box 40
C	<u>91 2285</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Hamelwright, Cloy		Route #1, Box 40
D	<u>91 2283</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Bryner, Lyle B.		6495 South Central Miller Cree
	Oman, A. Dan and Jacquelyn B.		889 West 760 North
D	<u>91 2283</u> .0000 .00	Price River	
	WATER USE(S): STOCKWATERING		
	Bryner, Lyle B.		6495 South Central Miller Cree
	Oman, A. Dan and Jacquelyn B.		889 West 760 North
D	<u>91 1846</u> .0110 .00	Unnamed Spring	
	WATER USE(S): STOCKWATERING		
	Bryner, Lyle B.		6495 South Central Miller Cree
	Oman, A. Dan and Jacquelyn B.		889 West 760 North

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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)

March 31, 1999

Anadarko Petroleum Corporation  
17001 Northchase Drive  
Houston, Texas 77060

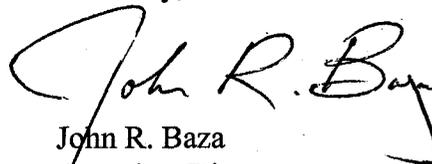
Re: Oliveto Federal A-2 Well, 2569' FSL, 2067' FWL, NE SW, Sec. 8, T. 14 S., R. 10 E.  
Carbon County, Utah

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.

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 43-007-30556.

Sincerely,

  
John R. Baza  
Associate Director

lwp

Enclosures

cc: Carbon County Assessor  
Bureau of Land Management, Moab District Office

**Operator:** Anadarko Petroleum Corporation

**Well Name & Number:** Oliveto Federal A-2

**API Number:** 43-007-30556

**Lease:** Federal                      **Surface Owner:** Federal

**Location:** NE SW                      **Sec.** 8    **T.** 14 S.    **R.** 10 E.

**Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well. Contact Carol Daniels at (801)538-5284.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

**3. Reporting Requirements**

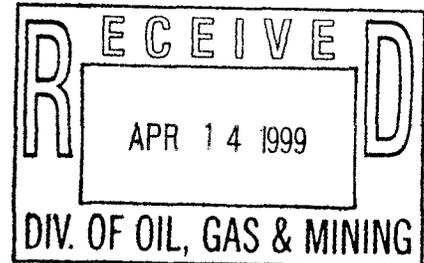
All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells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

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



April 12, 1999

State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-6801



Attention: Lisha Cordova

RE: Correction to Exception to Location, Rule 649-3-3  
Oliveto Federal A-2 43-007-30556  
Section 8, Township 14S, Range 10E

Gentlemen:

In accordance with Rule 649-3-3, Exception to Location and Siting of Wells, Anadarko Petroleum Corporation hereby requests a location exception for the Oliveto Federal A-3 SWD (Injection Well) in Carbon County, Utah. This location exception is requested due to topography in this area which mandates that this well be positioned 2569' from the south line and 2067' from the west line of Section 8, Township 14S, Range 10E. In addition, placing the well at this location keeps it out of sight of the nearby residential area. Anadarko is its own offset operator and waives its objection to this exception. There are no other owners within 460' of this proposed wellsite.

Please call me at (281) 874-8766 if you require further information or have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Judy Davidson".

Judy Davidson  
Regulatory Analyst

JD/me



072514 BK00430 Pg00348-00354

SHARON MURDOCK - COUNTY OF CARBON  
1999 MAR 04 10:56 AM FEE \$25.00 BY  
REQUEST: TURNER PETROLEUM LAND SERVICES,

STATE OF UTAH  
COUNTY OF CARBON

### SURFACE LAND USE AGREEMENT

#### KNOW ALL MEN BY THESE PRESENTS, THAT:

WHEREAS, June Spratling Oliveto, Trustee of the June Spratling Oliveto Trust dtd 3-9-92, whose address is 795 North 400 East, Price, UT 84501 (hereinafter referred to as GRANTOR, whether one or more), is the owner of the surface of the following described property, to-wit:

**TOWNSHIP 14 SOUTH, RANGE 10 EAST, SLM**

Section 8: N1/2NE1/4, SW1/4NE1/4, SE1/4NW1/4, NE1/4SW1/4

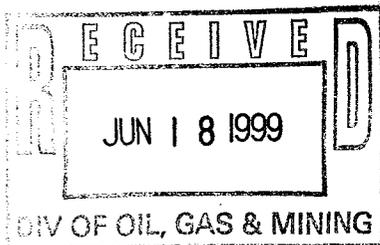
See Exhibits "A", "B", and "C" Attached

and Anadarko Petroleum Corporation whose address is P.O. Box 1330, Houston, TX 77251-1330, (hereinafter referred to as GRANTEE), owns leases covering oil, gas and mineral rights in, under and upon said property; and

WHEREAS, Grantee desires to build an access road, pipelines and appurtenances thereto, power lines, and a well site for the drilling of a Coalbed Degasification well on a portion of said property.

NOW THEREFORE, for and in consideration of the sum of ten dollars (\$10.00) and other valuable considerations, the receipt and sufficiency of which is hereby acknowledged. Grantor does hereby grant, sell and convey unto Grantee, its successors and assigns, the easement and right to use that portion of the herein above described property as may be necessary to conduct its drilling and production operations on said property, including the right to construct and maintain a coalbed methane gas well site; to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment; to construct, maintain or cover up any pits or ponds necessary for drilling operations or water storage; to erect, maintain, relocate, replace or remove production facilities, including, but not limited to, pumps, compressors, separators, treaters, etc.; to construct, maintain, relocate, or abandon a road, and in connection therewith, a power line or power lines (said well site, pipelines, appurtenances, valves, metering equipment, cathodic equipment, road and power lines being sometimes collectively called the "facilities") over, under and through the hereinafter described land as described in the attached Exhibits "A" and "B".

Grantor acknowledges the receipt and sufficiency of the above described consideration as payment for all damages to Grantor's trees, timber, growing crops, and other vegetation being cultivated on said land by the undersigned or their respective lessees, tenants or assigns caused by the construction, maintenance, protection, repair, placement or removal of the facilities as described in the attached exhibits and agrees that the payment and acceptance of the consideration set forth above is in full and complete payment, settlement, compromise and satisfaction of any and all of the above-mentioned losses, liabilities, claims, damages, demands and causes of action for any and all injuries and damage to the surface of the land hereinbelow described and to any appurtenances or improvements thereon, and for any and all claims including but not limited to loss of potential rental income, damages to and/or loss of livestock and wildlife, arising directly or indirectly in connection with the operations thereon by Grantee, its employees, agents, contractors, or subcontractors in connection with the above-mentioned operations of Grantee.



*Helpen Fur 3  
Oliveto A-2  
500  
47 (17) (10) A1 40*

Grantee shall have the free right of ingress and egress to, over, upon, through and across said right-of-way and easement for any and all purposes that may be necessary or incidental to the maintenance of the right-of-way and easement, with the right to use existing roads which enter Grantor's property for the purpose of constructing, inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part, and the replacement of said pipeline or pipelines with either like or different size pipe. During temporary periods, Grantee may use such portions of the property along and adjacent to said right-of-way as may be necessary in connection with construction, maintenance, repair, removal or replacement of the facilities and if such use cause any damages to Grantor's lands outside of the above described right-of-way, Grantee shall pay Grantor for such damages.

Grantor reserves the right to the use and enjoyment of said property except for the purposes herein granted, but such use shall not hinder, conflict or interfere with Grantee's surface or subsurface rights hereunder or disturb its facilities. No road, reservoir, excavation, obstruction or structure shall be constructed, created or maintained on, over, along or within the lands covered by this right-of-way without Grantee's prior written consent.

If Grantee desires to remove any trees adjacent to said right-of-way at a later date which may be hazardous to the maintenance and use of the facilities on the right-of-way, Grantee shall first obtain approval from Grantor in writing, Grantor's approval not to be unreasonably withheld, and after receipt of such approval, may proceed to cut and remove such trees subject to payment of additional timber damages, if any are determined.

The undersigned hereby covenant and warrant that they are the surface owners of the above described land, and have the right to enter into this agreement.

**FOR THE SAME CONSIDERATION RECITED ABOVE**, Grantor and Grantee do hereby release, discharge and acquit the other from any and all liability, and shall indemnify the other against any and all claims and demands for damages, attorneys fees, injury or loss, existing now or done hereafter, to the surface of said lands or to any third parties arising out of or being the result of their or, their agents, contractors, licensees, permittees, successors and assigns own activities on or use of the subject property. However, such parties' potential liability under this paragraph to the other shall be limited to the acts and/or omission of it, or its predecessors, agents, contractors, licensees, permittees, successors, and assigns, and shall not include any acts and/or omissions of the other party, its agents, contractors, licensees, permittees, successors or assigns. Grantee shall reasonably maintain the subject property in order to prevent unnecessary deterioration of the surface and to keep the property in an uncluttered condition.

**TO HAVE AND TO HOLD** the above described rights and easements, together with all rights necessary to operate and maintain the facilities over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding up Grantor, Grantor's heirs, legal representatives and successors in title. Upon abandonment, at the request of the Grantor, Grantee shall execute and deliver to Grantor a document in recordable form evidencing said abandonment.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

00072514 BK00430 Pg00350

This agreement is subject to Special Stipulations as described on the attached Exhibit "C". In the event of conflict between the terms of the main body of the Agreement and the Special Stipulations described on the attached Exhibit "C", the Special Stipulations control.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be an original instrument, but all such counterparts together shall constitute for all purposes one instrument executed as of the dates of the respective acknowledgments of the parties hereto, but being effective as of the 11th day of February, 1999.

GRANTOR:

*June Spratling Oliveto*  
June Spratling Oliveto, Trustee of the June  
Spratling Oliveto Trust dtd 3-9-92  
TIN: 529-20-8120  
Date: Feb 17, 1999

ACKNOWLEDGMENT

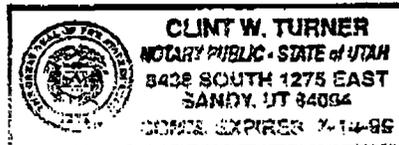
STATE OF UTAH  
COUNTY OF CARBON

I hereby certify, that on this day, before me, a Notary Public duly authorized in the state and county aforesaid to take acknowledgments, personally appeared June Spratling Oliveto, Trustee of the June Spratling Oliveto Trust dtd 3-9-92, to me known to be the person described herein and who executed the foregoing instrument and acknowledged before me that, being informed of the contents of the same, voluntarily signed and delivered the within and foregoing instrument on the day and year herein mentioned.

Given under my hand and seal this 17<sup>th</sup> day of February, 1999

*Clint W. Turner*  
Notary Public  
Residing at: Sandy, UT

My Commission Expires: 7-14-99



Dated: 2-24-99

GRANTEE:

ANADARKO PETROLEUM CORPORATION

By:

*Glen McPhail*

Glen McPhail

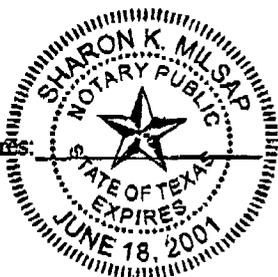
Its: Agent and Attorney in Fact

ACKNOWLEDGMENT

STATE OF TEXAS  
COUNTY OF HARRIS

I, the undersigned authority, a Notary Public in and for said county and state, hereby certify that Glen McPhail, whose name as Agent and Attorney in Fact is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, with full authority, executed the same voluntarily for and as the act of said corporation.

Given under my hand and seal this 24<sup>th</sup> day of February, 1999.

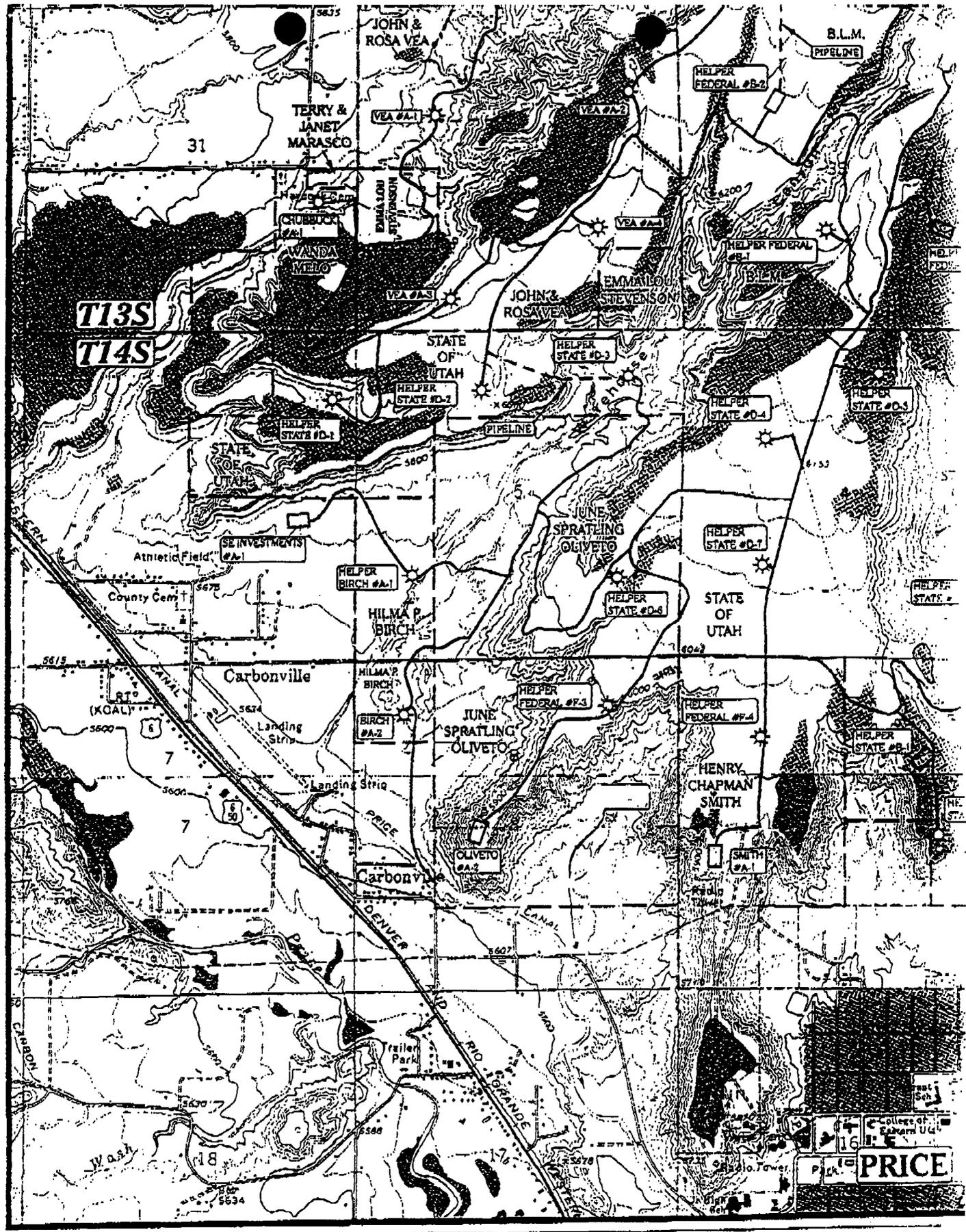


My Commission Expires:

*Sharon K. Milsap*

Notary Public

Residing at: Houston, Texas



R10E

**EXHIBIT "C"**  
**SPECIAL STIPULATIONS**

Attached to and made a part of that certain Surface Land Use Agreement effective the 11th day of February, 1999, by and between June Spratling Oliveto, Trustee of the June Spratling Oliveto Trust dtd 3-9-92, as Grantor, and Anadarko Petroleum Corporation, as Grantee.

1. Each pipeline and power line installed hereunder shall be constructed not less than five (5) feet below the surface elevation of said land at the time of construction, provided that subsoil and subsurface conditions will permit a pipeline or power line to be constructed at this depth using normal construction methods. In the event that rock or other subsoil or subsurface conditions, including other previously laid pipe or other lines, do not permit a pipeline or power line to be constructed at this depth by normal construction methods, each pipeline or power line constructed hereunder shall be constructed at the lowest depth above the five (5) feet minimum depth specified above that normal construction methods will permit. It is agreed and understood that there is no obligation on the part of Grantee to bury power lines. Grantor, its successors or assigns, shall give reasonable notice to Grantee before crossing a pipeline or power line at locations other than existing roadways so that Grantee may instruct Grantor on what measures must be taken by Grantor to protect such facilities from damage.

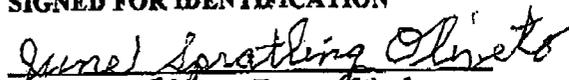
2. It is hereby understood and agreed that by the execution of this agreement, Grantee does not serve to waive, forfeit, or limit any rights it may have by virtue of the mineral Lease(s) active on the subject properties and shall not be deemed as a limitation on additional surface use if further mineral development is contemplated. If the need for such additional surface use arises, Grantor and Grantee agree to negotiate in good faith to reach an agreement substantially similar in form to this agreement for such use.

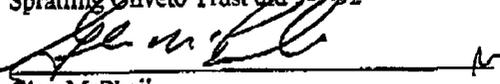
3. Lockable gates shall be installed by Grantee wherever roads shall go through any fences located on Grantors lands that are subject to this Agreement.

4. Grantee shall have the right at any time, but not the necessity, to remove or abandon in place all machinery, fixtures, power lines and pipelines placed on or in said land, including the right to draw and remove casing. In no event shall Grantor be due any further damages for Grantee's efforts to restore the surface of the subject lands.

5. All roads shall be constructed with appropriate ditches and drain culverts to allow proper drainage off of said roads and also to prevent water from backing up along said roads, all at the sole expense of Grantee.

**SIGNED FOR IDENTIFICATION**

  
June Spratling Oliveto, Trustee of the June  
Spratling Oliveto Trust dtd 3-9-92

  
Glen McPhail

72512 Bk00430 Pg00334-00340

SHARON MURDOCK - COUNTY OF CARBON  
1999 MAR 04 10:52 AM FEE \$25.00 BY  
REQUEST: TURNER PETROLEUM LAND SERVICES,

**STATE OF UTAH  
COUNTY OF CARBON**

**SURFACE LAND USE AGREEMENT**

**KNOW ALL MEN BY THESE PRESENTS, THAT:**

**WHEREAS**, Paul D'Ambrosio, a single man, whose address is 81 West Main, Price, UT 84501 (hereinafter referred to as GRANTOR, whether one or more), is the owner of the surface of the following described property, to-wit:

**TOWNSHIP 14 SOUTH, RANGE 10 EAST, SLM**  
Section 8: N1/2NE1/4, SW1/4NE1/4, SE1/4NW1/4, NE1/4SW1/4

**See Exhibits "A", "B", and "C" Attached**

and Anadarko Petroleum Corporation whose address is P.O. Box 1330, Houston, TX 77251-1330, (hereinafter referred to as GRANTEE), owns leases covering oil, gas and mineral rights in, under and upon said property; and

**WHEREAS**, Grantee desires to build an access road, pipelines and appurtenances thereto, power lines, and a well site for the drilling of a Coalbed Degasification well on a portion of said property.

**NOW THEREFORE**, for and in consideration of the sum of ten dollars (\$10.00) and other valuable considerations, the receipt and sufficiency of which is hereby acknowledged, Grantor does hereby grant, sell and convey unto Grantee, its successors and assigns, the easement and right to use that portion of the herein above described property as may be necessary to conduct its drilling and production operations on said property, including the right to construct and maintain a coalbed methane gas well site; to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment; to construct, maintain or cover up any pits or ponds necessary for drilling operations or water storage; to erect, maintain, relocate, replace or remove production facilities, including, but not limited to, pumps, compressors, separators, treaters, etc.; to construct, maintain, relocate, or abandon a road, and in connection therewith, a power line or power lines (said well site, pipelines, appurtenances, valves, metering equipment, cathodic equipment, road and power lines being sometimes collectively called the "facilities") over, under and through the hereinafter described land as described in the attached Exhibits "A" and "B".

Grantor acknowledges the receipt and sufficiency of the above described consideration as payment for all damages to Grantor's trees, timber, growing crops, and other vegetation being cultivated on said land by the undersigned or their respective lessees, tenants or assigns caused by the construction, maintenance, protection, repair, placement or removal of the facilities as described in the attached exhibits and agrees that the payment and acceptance of the consideration set forth above is in full and complete payment, settlement, compromise and satisfaction of any and all of the above-mentioned losses, liabilities, claims, damages, demands and causes of action for any and all injuries and damage to the surface of the land hereinbelow described and to any appurtenances or improvements thereon, and for any and all claims including but not limited to loss of potential rental income, damages to and/or loss of livestock and wildlife, arising directly or indirectly in connection with the operations thereon by Grantee, its employees, agents, contractors, or subcontractors in connection with the above-mentioned operations of Grantee.

*Handwritten:*  
Helmer 3  
OLIVERO A-2  
47-007 00042

Grantee shall have the free right of ingress and egress to, over, upon, through and across said right-of-way and easement for any and all purposes that may be necessary or incidental to the maintenance of the right-of-way and easement, with the right to use existing roads which enter Grantor's property for the purpose of constructing, inspecting, repairing and maintaining the facilities and the removal or replacement of same at will, either in whole or in part, and the replacement of said pipeline or pipelines with either like or different size pipe. During temporary periods, Grantee may use such portions of the property along and adjacent to said right-of-way as may be necessary in connection with construction, maintenance, repair, removal or replacement of the facilities and if such use cause any damages to Grantor's lands outside of the above described right-of-way, Grantee shall pay Grantor for such damages.

Grantor reserves the right to the use and enjoyment of said property except for the purposes herein granted, but such use shall not hinder, conflict or interfere with Grantee's surface or subsurface rights hereunder or disturb its facilities. No road, reservoir, excavation, obstruction or structure shall be constructed, created or maintained on, over, along or within the lands covered by this right-of-way without Grantee's prior written consent.

If Grantee desires to remove any trees adjacent to said right-of-way at a later date which may be hazardous to the maintenance and use of the facilities on the right-of-way, Grantee shall first obtain approval from Grantor in writing, Grantor's approval not to be unreasonably withheld, and after receipt of such approval, may proceed to cut and remove such trees subject to payment of additional timber damages, if any are determined.

The undersigned hereby covenant and warrant that they are the surface owners of the above described land, and have the right to enter into this agreement.

**FOR THE SAME CONSIDERATION RECITED ABOVE,** Grantor and Grantee do hereby release, discharge and acquit the other from any and all liability, and shall indemnify the other against any and all claims and demands for damages, attorneys fees, injury or loss, existing now or done hereafter, to the surface of said lands or to any third parties arising out of or being the result of their or, their agents, contractors, licensees, permittees, successors and assigns own activities on or use of the subject property. However, such parties' potential liability under this paragraph to the other shall be limited to the acts and/or omission of it, or its predecessors, agents, contractors, licensees, permittees, successors, and assigns, and shall not include any acts and/or omissions of the other party, its agents, contractors, licensees, permittees, successors or assigns. Grantee shall reasonably maintain the subject property in order to prevent unnecessary deterioration of the surface and to keep the property in an uncluttered condition.

**TO HAVE AND TO HOLD** the above described rights and easements, together with all rights necessary to operate and maintain the facilities over the right-of-way hereby granted unto the said Grantee, its successors and assigns, until such time as the right-of-way and easement is abandoned under the terms stipulated herein. The Grantee may assign the rights and easements herein granted, either in whole or in part, subject to the terms of this grant, and such rights and easements shall be covenants running with the land and be binding up Grantor, Grantor's heirs, legal representatives and successors in title. Upon abandonment, at the request of the Grantor, Grantee shall execute and deliver to Grantor a document in recordable form evidencing said abandonment.

The making, execution and delivery of this document by Grantor has been induced by no representations, statements, warranties, or other agreements other than those herein expressed. This agreement embodies the entire understanding of the parties, and this instrument may be amended or modified only by subsequent written agreement of the parties.

This agreement is subject to Special Stipulations as described on the attached Exhibit "C". In the event of conflict between the terms of the main body of the Agreement and the Special Stipulations described on the attached Exhibit "C", the Special Stipulations control.

This agreement shall inure to the benefit of the parties hereto, their heirs, successors, and assigns and shall be a burden running with the land.

IN WITNESS WHEREOF, this Surface Land Use Agreement may be executed in any number of counterparts, and each such counterpart hereof shall be deemed to be and original instrument, but all such counterparts together shall constitute for all purposes one instrument executed as of the dates of the respective acknowledgments of the parties hereto, but being effective as of the 11th day of February, 1999.

GRANTOR:

*Paul D' Ambrosio*

Paul D' Ambrosio

TIN: 529-60-9990

Date: 27 17 / 99

ACKNOWLEDGMENT

STATE OF UTAH  
COUNTY OF CARBON

I hereby certify, that on this day, before me, a Notary Public duly authorized in the state and county aforesaid to take acknowledgments, personally appeared Paul D' Ambrosio, a single man, to me known to be the person described herein and who executed the foregoing instrument and acknowledged before me that, being informed of the contents of the same, voluntarily signed and delivered the within and foregoing instrument on the day and year herein mentioned.

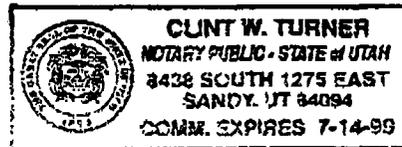
Given under my hand and seal this 17<sup>th</sup> day of February, 1999

*Curt W. Turner*

Notary Public

Residing at: Sandy, UT

My Commission Expires: 7-14-99



Dated: 2-24-99

GRANTEE:

ANADARKO PETROLEUM CORPORATION

By:

Glen McPhail

Its: Agent and Attorney in Fact

ACKNOWLEDGMENT

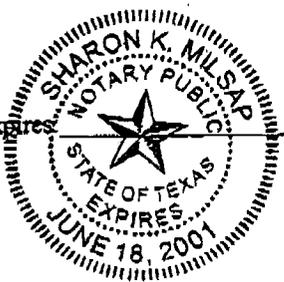
STATE OF TEXAS  
COUNTY OF HARRIS

I, the undersigned authority, a Notary Public in and for said county and state, hereby certify that Glen McPhail, whose name as Agent and Attorney in Fact is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, with full authority, executed the same voluntarily for and as the act of said corporation.

Given under my hand and seal this 24<sup>th</sup> day of February, 1999.

Sharon K. Milsap  
Notary Public  
Residing at: Pearland, Texas

My Commission Expires



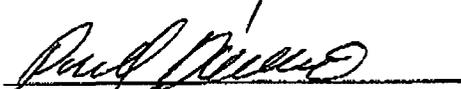


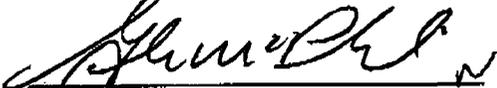
**EXHIBIT "B"**

Attached to and made a part of that certain Surface Land Use Agreement effective the 11th day of February, 1999, by and between Paul D'Ambrosio, as Grantor, and Anadarko Petroleum Corporation, as Grantee.

1. A well location approximately two hundred ten feet (210') by three hundred forty feet (340') (1.64 acres) in the SE1/4NW1/4, NE1/4SW1/4, Section 5, T14S-R10E, SLM, Carbon County, Utah (Oliveto #A-2).
  
3. A road/pipeline/power line right-of-way forty feet (40') wide by approximately three thousand five hundred (3,500') long (200 rods) (3.21 acres) more or less, in the lands covered by this Agreement as shown on Exhibit "A".

**SIGNED FOR IDENTIFICATION**

  
 \_\_\_\_\_  
 Paul D'Ambrosio

  
 \_\_\_\_\_  
 Glean McPhail

**EXHIBIT "C"**  
**SPECIAL STIPULATIONS**

Attached to and made a part of that certain Surface Land Use Agreement effective the 11th day of February, 1999, by and between Paul D'Ambrosio, a single man, as Grantor, and Anadarko Petroleum Corporation, as Grantee.

1. Each pipeline and power line installed hereunder shall be constructed not less than five (5) feet below the surface elevation of said land at the time of construction, provided that subsoil and subsurface conditions will permit a pipeline or power line to be constructed at this depth using normal construction methods. In the event that rock or other subsoil or subsurface conditions, including other previously laid pipe or other lines, do not permit a pipeline or power line to be constructed at this depth by normal construction methods, each pipeline or power line constructed hereunder shall be constructed at the lowest depth above the five (5) feet minimum depth specified above that normal construction methods will permit. It is agreed and understood that there is no obligation on the part of Grantee to bury power lines. Grantor, its successors or assigns, shall give reasonable notice to Grantee before crossing a pipeline or power line at locations other than existing roadways so that Grantee may instruct Grantor on what measures must be taken by Grantor to protect such facilities from damage.

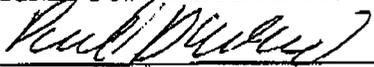
2. It is hereby understood and agreed that by the execution of this agreement, Grantee does not serve to waive, forfeit, or limit any rights it may have by virtue of the mineral Lease(s) active on the subject properties and shall not be deemed as a limitation on additional surface use if further mineral development is contemplated. If the need for such additional surface use arises, Grantor and Grantee agree to negotiate in good faith to reach an agreement substantially similar in form to this agreement for such use.

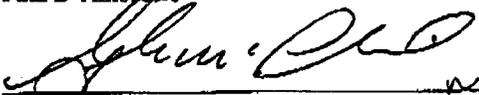
3. Lockable gates shall be installed by Grantee wherever roads shall go through any fences located on Grantors lands that are subject to this Agreement.

4. Grantee shall have the right at any time, but not the necessity, to remove or abandon in place all machinery, fixtures, power lines and pipelines placed on or in said land, including the right to draw and remove casing. In no event shall Grantor be due any further damages for Grantee's efforts to restore the surface of the subject lands.

5. All roads shall be constructed with appropriate ditches and drain culverts to allow proper drainage off of said roads and also to prevent water from backing up along said roads, all at the sole expense of Grantee.

**SIGNED FOR IDENTIFICATION**

  
\_\_\_\_\_  
Paul D'Ambrosio

  
\_\_\_\_\_  
Glen McPhail



**Anadarko Oliveto Federal A-2 4300730556 2569 FSL, 2067 FWL, S. 8, T.14S., R.10E., Carbon County, Utah C. Kierst 7/30/9**

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE\*  
Instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires: December 31, 1991

99-25

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1 a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. UTU-65762		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> <input checked="" type="checkbox"/> OTHER - COALBED METHANE SINGLE ZONE <input type="checkbox"/> MULTIPLE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEES OR TRIBE NAME		
2. NAME OF OPERATOR ANADARKO PETROLEUM CORPORATION			7. UNIT AGREEMENT NAME		
3. ADDRESS AND TELEPHONE NO. 17001 Northchase Drive, Houston, Texas 77060 281/875-1101			8. FARM OR LEASE NAME WELL NO. Oliveto Federal A-2		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2569 FSL 2067 FWL, SW Section 8, T14S R10E At proposed prod. zone 2569 FSL 2067 FWL, SW Section 8, T14S R10E			9. API WELL NO. 4300730554		
			10. FIELD AND POOL OR WILDCAT Helper CBM		
			11. SEC. T.R.M. OR BLK. AND SURVEY OR AREA Section 8, T14S R10E		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 1 mile NW of Price, Ut			12 COUNTY Carbon	13 STATE Utah	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2067'		16. NO. OF ACRES IN LEASE 1474'	17. NO. OF ACRES ASSIGNED TO THIS WELL 160		
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE. FT. 2000'		19. PROPOSED DEPTH 2200'	20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5928' GL			22. APPROX. DATE WORK WILL START. April 16 1999		
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
12 1/4"	8 5/8" J-55	24#	300'	200 cu. ft.	
7-7/8"	5-1/2" N80	17#	2200	300 cu. ft.	

Attached is the following:

1. Survey Plat
2. Drilling Plan with BOP Schematic, Figure 1-1
3. Surface Use Plan
4. Certification of Operator
5. Topo & Access Map & Area Map.
6. Pit & Pad Layout with cross sections of pit, pad, & rig layout.

The Cultural Resource Study was submitted under separate cover.

Nationwide BLM Oil & Gas Lease Bond Number 153571 BLM Bond No. E50128  
Utah Oil & Gas Lease Bond 224351 (expiration date 06-30-2000)  
Utah Bond of Lessee 203521

OCT 18 1999  
DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT  
RECEIVED  
MOAB FIELD OFFICE  
1999 MAR 8 P 1:30

**CONFIDENTIAL**  
CONDITIONS OF APPROVAL ATTACHED

IN ABOVE SPACE, DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Bruce Darlington TITLE Sr. Drilling Engineer DATE 02/11/1999  
SIGNED [Signature]

(This space for Federal or State office use.)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

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: 1/5/1999

APPROVED BY [Signature] TITLE Assistant Field Manager, Division of Resources DATE OCT 12 1999

CC: Price Field Office 3/19/99 mm

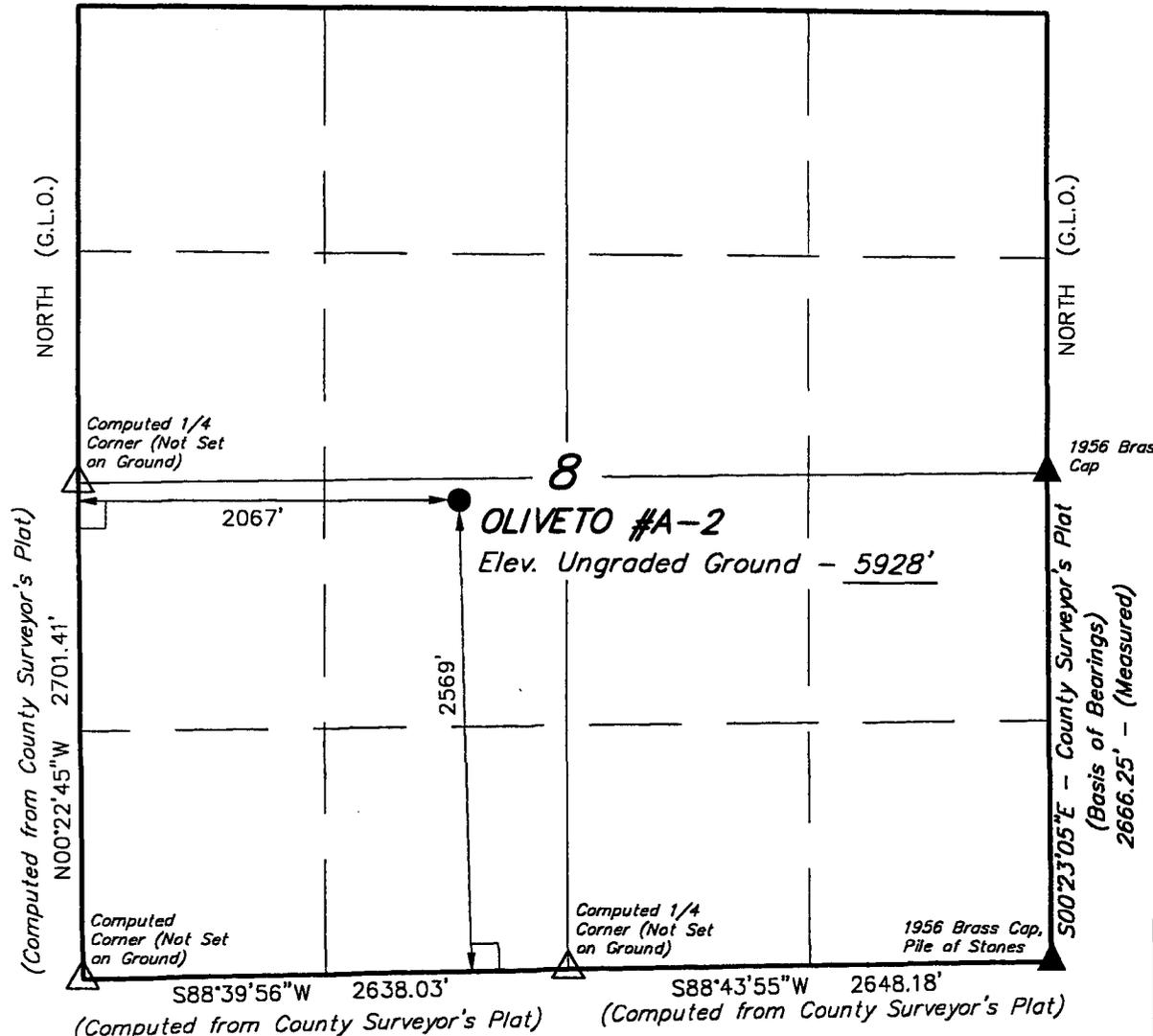
See Instructions On Reverse Side

# T14S, R10E, S.L.B.&M.

## ANADARKO PETROLEUM CORP.

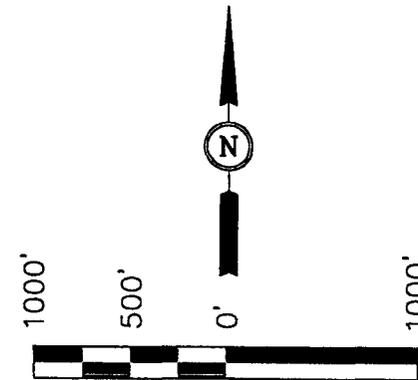
Well Location, OLIVETO #A-2, located as shown in NE 1/4 SW 1/4 of Section 8, T14S, R10E, S.L.B.&M. Carbon County, Utah.

WEST - 79.58 (G.L.O.)



### BASIS OF ELEVATION

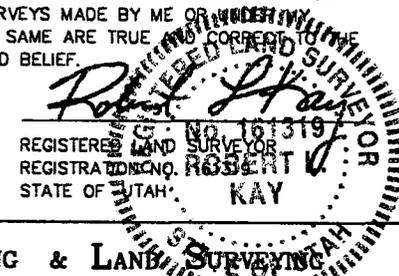
SPOT ELEVATION THE SOUTHEAST CORNER OF SECTION 8, T14S, R10E, S.L.B.&M. TAKEN FROM THE PRICE QUADRANGLE, UTAH, CARBON COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5710 FEET.



SCALE

CERTIFICATE

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



### LEGEND:

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

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

SCALE 1" = 1000'	DATE SURVEYED: 10-28-98	DATE DRAWN: 11-16-98
PARTY K.K. T.A. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE ANADARKO PETROLEUM CORP.	

Anadarko Petroleum Corporation  
Oliveto Federal A-2  
Lease U-65762  
NE/SW Section 8, T14S, R10E  
Carbon County, Utah

CONDITIONS OF APPROVAL

Approval of this application 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.

Be advised that Anadarko Petroleum Corporation is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by ES 0128 (Principal - Anadarko Petroleum Corporation) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

A. DRILLING PROGRAM

1. The proposed BOPE is in a 2M configuration, and is adequate for this depth in this area. Installation, testing and operation of the system shall be in conformance with Onshore Oil and Gas Order No. 2.
2. The requirements for air drilling, found in Onshore Oil and Gas Order No. 2, part III, E (Special Drilling Operations), shall be followed. This section requires, at a minimum, the use of the following equipment not mentioned in the application:
  - Spark arresters
  - Blooie line discharge 100 feet from wellbore
  - Straight blooie line
  - Deduster equipment
  - Float valve above bit
  - Automatic igniter on the blooie line
3. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining is required before conducting any surface disturbing activities.

B. SURFACE USE

1. The following appendices are attached for your reference. They are to be followed as conditions of approval:

Table A-1, Seed Mixture for Green Strip Areas  
Table A-2, Seed Mixture for Final Reclamation, Pinyon-Juniper Areas  
EMP 16& 17, Winter Seasonal Restriction on Critical & High Priority Winter Range  
EMP 19, Critical Winter Range Browse Hand Planting  
EMP 21, Surface Disturbance Mitigation for Critical & High Priority Winter Range

2. The mud pit shall be lined.
3. Within six months of installation, surface structures shall be painted in the following flat, earth tone color: Olive Black (5WA20-6). This Fuller O'Brien color is for reference only. Any brand of paint may be used provided the colors match. Any facilities that must be painted to comply with OSHA standards are exempt.
4. The lowest profile pump jack possible shall be used to produce the well.
5. A berm shall be constructed on the north and west sides of the drill pad to limit skylining of the pump jack and facilities.
6. The following bareroot stock shall be planted on the fill slopes of the drill pad, top soil pile, and the long term spoil stockpile. At the time of initial planting, of the bareroot stock, the plants shall be watered. The plants shall be planted on four foot centers. Bareroot stock:

Fourwing saltbrush	<u>Atriplex canescens</u>
Antelope bitterbrush	<u>Purshia tridentata</u>

7. There shall be no sidcasting of materials on the narrow portion of the access road located approximately 1300' northeast of the drill pad. The pipelines shall be buried in the road to limit disturbance in this area.
8. Trees that are removed during road construction shall be placed in the berm areas to help limit skylining of the pump jack and facilities (see visual mitigation skyline wells attached).

## GENERAL CONSTRUCTION

1. Operator shall contact the Price BLM Office at least forty-eight hours prior to the anticipated start of construction and/or any surface disturbing activities. The BLM may require and schedule a preconstruction conference with the operator prior to the operator commencing construction and/or surface disturbing activities. The operator and the operator's contractor, or agents involved with construction and/or any surface disturbing activities associated with the project, shall attend this conference to review the Conditions of Approval and plan of development. The operator's inspector will be designated at the pre-drill conference, and is to be given an approved copy of all maps, permits and conditions of approval before the start of construction. The BLM will also designate a representative for the project at the preconstruction conference.
2. The operator shall designate a representative(s) who shall have the authority to act upon and to implement instructions from the BLM. The operator's representative shall be available for communication with the BLM within a reasonable time when construction or other surface disturbing activities are underway.
3. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the operator, or any person working on his behalf, on public land is to be immediately reported to the Price BLM Office. The operator will suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Price BLM Office. An evaluation of the discovery will be made by the BLM to determine appropriate actions to prevent the loss of significant cultural or scientific values. The operator is responsible for the cost of evaluation of any site found during construction. The BLM will determine what mitigation is necessary.
4. During project construction, surface disturbance and vehicle travel shall be limited to the approved location and access routes. Any additional area needed must be approved by the Price BLM Office prior to use.
5. The operator must provide a trash cage for the collection and containment of all trash. The trash shall be disposed in an authorized landfill. The location and access roads shall be kept litter free.
6. Vegetation removal necessitated by construction shall be confined to the limits of actual construction. Removed vegetation will be stockpiled for use in reclamation or removed from the construction site at the direction of the BLM.

7. Prior to surface disturbance, topsoil is to be separately removed and segregated from other material. Topsoil depth will be decided onsite by BLM. If the topsoil is less than 6 inches, a 6-inch layer that includes the A horizon and the unconsolidated material immediately below the A horizon shall be removed and the mixture segregated and redistributed as the surface soil layer.

Generally topsoil shall be stored within the pad site or adjacent to access roads. The company in consultation with BLM shall determine stockpile locations and dimensions at the onsite. If the topsoil stockpiles will not be redistributed for a period in excess of one (1) year, the stockpiles are to be seeded with seed mixture Pinyon-Juniper (see attached).

### ROAD and PIPELINE CONSTRUCTION

8. Operator shall provide an inspector under the direction of a registered professional engineer (PE) at all times during road construction. A PE shall certify (statement with PE stamp) that the road was constructed to the required Bureau of Land Management (BLM) road standards.
9. Road construction or routine maintenance activities are to be performed during periods when the soil can adequately support construction equipment. If such equipment creates ruts more than 6 inches deep, the soil is deemed too wet to adequately support construction equipment.
10. The operator is responsible for maintenance of all roads authorized through the lease or a right-of-way. Construction and maintenance shall comply with Class II or III Road Standards as described in BLM Manual Section 9113 and the Moab District Road Standards, except as modified by BLM. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, headcut restoration/prevention.
11. Topsoil from access roads and pipelines is to be wind rowed along the uphill side of the road or stored in an approved manner. When the road and pipeline is rehabilitated, this soil will then be used as a top coating for the seed bed.
12. Erosion-control structures such as water bars, diversion channels, and terraces will be constructed to divert water and reduce soil erosion on the disturbed area. Road ditch turnouts shall be equipped with energy dissipators as needed to avoid erosion. Where roads interrupt overland sheet-flow and convert this runoff to channel flow, ditch turnouts shall be designed to reconvert channel flow to sheet flow. Rock energy dissipators and gravel dispersion fans may be used, or any other design which would accomplish the desired reconversion of flow regime. As necessary cut banks, road drainages, and road crossings shall be armored or otherwise engineered to prevent

headcutting.

### PAD CONSTRUCTION

13. During the construction of the drill pad, suitable topsoil material is to be stripped and conserved in a stockpile on the pad. If stockpiles are to remain for more than a year, they shall be seeded with the seed mixture Pinyon-Juniper (see attached).
14. Generally, drill pads are to be designed to prevent overland flow of water from entering or leaving the site. The pad is to be sloped to drain spills and water into the reserve pit. The drill pad shall be designed to disperse diverted overland flow and to regulate flow velocity so as to prevent or minimize erosion. Well pad diversion outlets shall be equipped with rock energy brakes and gravel-bedded dispersion fans.

### REHABILITATION PROCEDURES

#### Site Preparation

15. The entire roadbed should be obliterated and brought back to the approximate original contour. Drainage control is to be reestablished as necessary. All areas affected by road construction are to be recontoured to blend in with the existing topography. All berms are to be removed unless determined to be beneficial by BLM. In recontouring the disturbed areas, care should be taken to not disturb additional vegetation.

#### Seedbed Preparation

16. An adequate seedbed should be prepared for all sites to be seeded. Areas to be revegetated should be chiselled or disked to a depth of at least 12 inches unless restrained by bedrock.
17. Ripping of fill materials should be completed by a bulldozer equipped with single or a twin set of ripper shanks. Ripping should be done on 4-foot centers to a depth of 12 inches. The process should be repeated until the compacted area is loose and friable, then shall be followed by final grading. Seedbed preparation will be considered complete when the soil surface is completely roughened and the number of rocks (if present) on the site is sufficient to cause the site to match the surrounding terrain.
18. After final grading, the stockpiled topsoil shall be spread evenly across the disturbed area.

#### Fertilization

19. Commercial fertilizer with a formula of 16-16-8 is to be applied at a rate of 200 pounds per acre to the site. The rate may be adjusted depending on soil.
20. Fertilizer is to be applied not more than 48 hours before seeding, and shall be cultivated into the upper 3 inches of soil.
21. Fertilizer is to be broadcast over the soil using hand-operated "cyclone-type" seeders or rotary broadcast equipment attached to construction or revegetation machinery as appropriate to slope. All equipment should be equipped with a metering device. Fertilizer application is to take place before the final seeding preparation treatment. Fertilizer broadcasting operations should not be conducted when wind velocities would interfere with even distribution of the material.

### Mulching

22. When it is time to reclaim this location, the Price BLM Office will determine whether it will be necessary to use mulch in the reclamation process. The type of mulch should meet the following requirements: Wood cellulose fiber shall be natural or cooked, shall disperse readily in water, and shall be nontoxic. Mulch shall be thermally produced and air dried. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A colored dye that is noninjurious to plant growth may be used when specified. Wood cellulose fiber is to be packaged in new, labeled containers. A minimum application of 1500 pounds per acre shall be applied. A suitable tackifier shall be applied with the mulch at a rate of 60 to 80 pounds per acre.

An alternative method of mulching on small sites would be the application of straw or hay mulch at a rate of 2000 pounds per acre. Hay or straw shall be certified weed free. Following the application of straw or hay, crimping shall occur to ensure retention.

### Reseeding

23. All disturbed areas are to be seeded with the seed mixture required by the BLM. The seed mixture(s) shall be planted in the fall of the year (Sept-Nov), in the amounts specified in pounds of pure live seed (PLS)/acre. There shall be no noxious weed seed in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within 12 months prior to planting. Commercial seed will be either certified or registered seed. The seed mixture container shall be tagged in accordance with State law(s) and available for inspection by the BLM. Seed is to be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture shall be

evenly and uniformly planted over the disturbed area. (Smaller/heavier seeds tend to drop to the bottom of the drill and are planted first. Appropriate measures should be taken to ensure this does not occur.) Where drilling is not possible, seed is to be broadcast and the area raked or chained to cover the seed. Woody species with seeds that are too large for the drill will be broadcast. When broadcasting the seed, the pounds per acre noted below are to be increased by 50 percent. Reseeding may be required if a satisfactory stand is not established to the surface rights owner's specifications. Evaluation of the seeding's success will not be made before completion of the second growing season after the vegetation becomes established. The Price BLM Office is to be notified a minimum of seven days before seeding a project.

24. The disturbed areas for the road and pipeline must be seeded in the fall of the year, immediately after the topsoil is replaced. The prescribed seed mixture is Pinyon-Juniper (see attached).

#### General

25. Prior to the use of insecticides, herbicides, fungicides, rodenticides and other similar substances, the operator must obtain from BLM, approval of a written plan. The plan must describe the type and quantity of material to be used, the pest to be controlled, the method of application, the location for storage and disposal of containers, and other information that BLM may require. A pesticide may be used only in accordance with its registered uses and within other agency limitations. Pesticides must not be permanently stored on public lands.

The following seed mixture would be planted along service road borrow ditches, around the edges of drill pads with a production well, and surrounding other production and maintenance facilities. The purpose for this is to provide a "green strip" buffer to minimize fire hazards and prevent invasion and establishment of noxious weeds in areas that will receive continued disturbance for the life of these areas.

Table A-1

Common Plant Name	Scientific Name	Pounds per acre (PLS)
Forage kochia	<i>Kochia prostrata</i>	2
Wyoming big sagebrush	<i>Artemisia tridentata wyomingensis</i> var. Gordon Creek	1
Douglas low rabbitbrush	<i>Chrysothamnus viscidiflorus</i>	1
TOTAL		4

The following seed mixture is for the area that would receive final reclamation. Areas would be planted to protect them from soil erosion and to restore forage production.

Table A-2

Common Plant Name	Scientific Name	Pounds per acre (PLS)
<b>Pinyon Juniper Areas</b>		
<i>Grasses</i>		
Thickspike wheatgrass	<i>Elymus lanceolatus</i>	1.5
Intermediate wheatgrass	<i>Elytrigia intermedia</i>	1.5
Squirreltail	<i>Elymus elymoides</i>	2
Crested wheatgrass	<i>Agropyron desertorum</i>	2
<i>Forbs</i>		
Lewis flax	<i>Linum perenne lewisii</i>	1
Palmer penstemon	<i>Penstemon palmerii</i>	1
<i>Shrubs</i>		
Forage kochia	<i>Kochia prostrata</i>	2
Fourwing saltbrush	<i>Atriplex canescense</i>	2
Wyoming big sagebrush	<i>Artemesia tridentata wyomingensis</i> var. Gordon Creek	1
Antelope bitterbrush	<i>Purshia tridentata</i>	1
TOTAL		15

FERRON NATURAL GAS PROJECT AREA  
PROPONENT: ANADARKO

WELL #: A-2

**EPM 16 & 17: WINTER SEASONAL RESTRICTION (DECEMBER 1 to APRIL 15) ON CRUCIAL AND HIGH PRIORITY WINTER RANGE.**

Pg 1 of 1

Restrictions on Construction Phase Activity: Prohibit construction phase activity, described below, on big game high value and critical winter range during the period (December 1 - April 15) without regard for land ownership.

This condition would not apply to normal maintenance and operation of producing wells, described below. On nonfederal lands (where the federal government does not have either surface or subsurface ownership) the Companies would be allowed to conduct construction phase activity if needed to avoid breach of contract or loss of lease rights. In the event construction phase activity proceeds into the winter closure period on non federal interest lands, Companies would make available appropriate documentation to UDWR, upon request.

Construction Phase Activity: Construction phase activity is considered to include all work associated with initial drilling and construction of facilities through completion, including installation of pumping equipment, connection with ancillary facilities and tie-in with pipelines necessary for product delivery.

Companies would not be allowed to initiate construction activity unless it is reasonable to believe that such work can be finished to a logical stopping point prior to December 1 of that year. Specific activities considered to be covered by the seasonal closure include all heavy equipment operation including but not limited to the following:

- Mobilization/Demobilization or operation of heavy equipment (crawler tractor, front end loader, backhoe, road grader, etc.)
- Construction activity (road construction or upgrading, pad, pipeline, powerline, ancillary facilities, etc.).
- Drilling activity (Operator would not propose or initiate drilling activity if the project could not reasonably be expected to be finished to a logical stopping point by the December 1 date of that year.)
- Seismic operation, detonation of explosives

This seasonal closure would not apply to reconnaissance, survey/design and/or flagging of project work or other similar activity not requiring actions listed for heavy equipment operation.

Production Phase: A well is considered to be in production phase when the well and ancillary facilities are completed to the point that they are capable of producing and delivering product for sale. It is noted that heavy equipment operation may be necessary in the performance of maintenance and operation of producing wells.

Restriction on Non Emergency Workover Operations: The Companies will schedule non-emergency workover operations (defined below) on big game crucial and high value winter range outside the December 1 to April 15 date of the seasonal closure.

Non-emergency Workover Operations: Workover operations to correct or reverse a gradual loss of production over time (loss of production of 20 percent or less over a 60 day period) is considered to be routine or non-emergency workover operations and would not be permitted during the December 1 to April 15 time frame.

Emergency Workover Operations: Emergency work over operations are defined as downhole equipment failure problems or workover operation necessary to avoid shut in of the well or to avoid an immediate safety or environmental problem. Loss of production greater than 20 percent within a 60 day period is indicative of pump failure and will be treated as an emergency workover operation. The Companies will submit Sundry notices to BLM within five days of the emergency workover operations between December 1 and April 15.

**EPM 19: CRITICAL WINTER RANGE BROWSE HAND PLANTING**

One or two browse species lists (checked below) are to be hand planted at the prescribed application rate and according to the following prescribed methods on critical winter range areas that are undergoing long term reclamation. This would include all pipeline corridors, berm around edge of drill pads, miscellaneous disturbed areas associated with construction such as staging areas for equipment, sidecast on road cuts, along side upgraded or new roads up to and including borrow ditch and in the termination of redundant access roads being closed. This planting shall be completed in the first planting window following reclamation.

**Planting Methods:**

Planting shall be accomplished using a labor force with specific experience in landscape restoration, hand planting methods and handling and care of browse tubling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubling stock plants of 1 year old age class or greater.

Browse seedling protectors will be used to provided protection from browsing ungulates for two years. Seedling protectors will be of an open mesh rigid design that will break down when exposed to sunlight and that measures a minimum of 12 inches in length and 4 inches in diameter.

Planting shall be completed in the spring (March 1- April 1) and or fall (November 1- December 1) planting windows.

Browse plants shall be stored and handled in such a manner as to maintain viability, according to the type of browse stock being used.

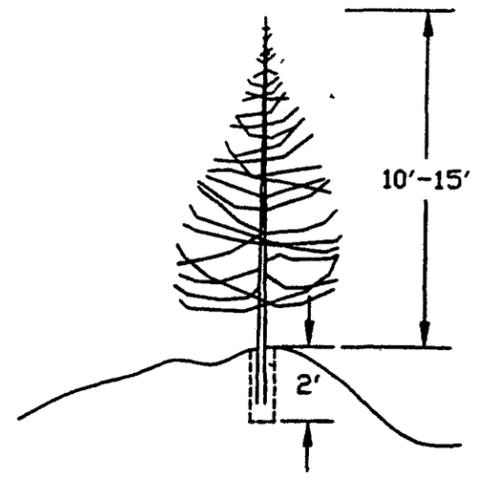
**Planting Species and Application Rate:**

<u>Species</u>	<input checked="" type="checkbox"/> Sagebrush-Grass <u>Plants Per Acre</u>	<input type="checkbox"/> Pinyon-Juniper
Wyoming Sagebrush (Gordon Creek)	100	50
Fourwing Saltbush (Utah seed source collected at or above 5,000 feet elevation)	100	50
True Mountain Mahogany (Utah seed source)	0	50
Antelope Bitterbrush (Utah seed source)	0	50
Total	200	200

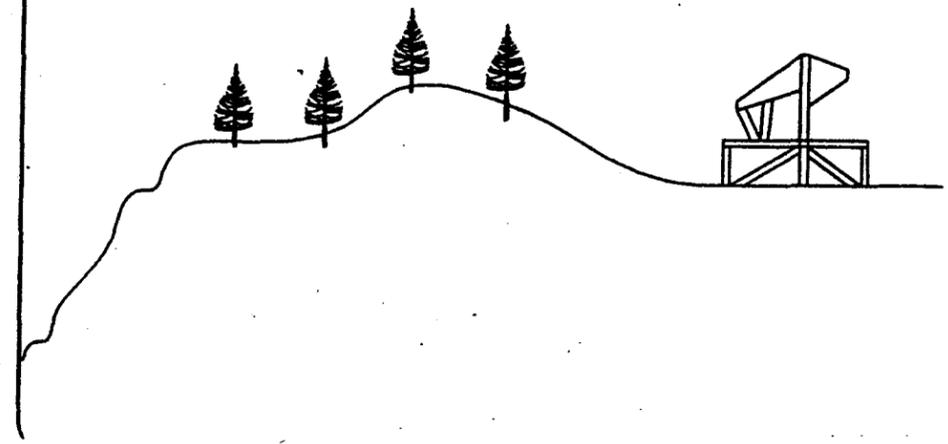
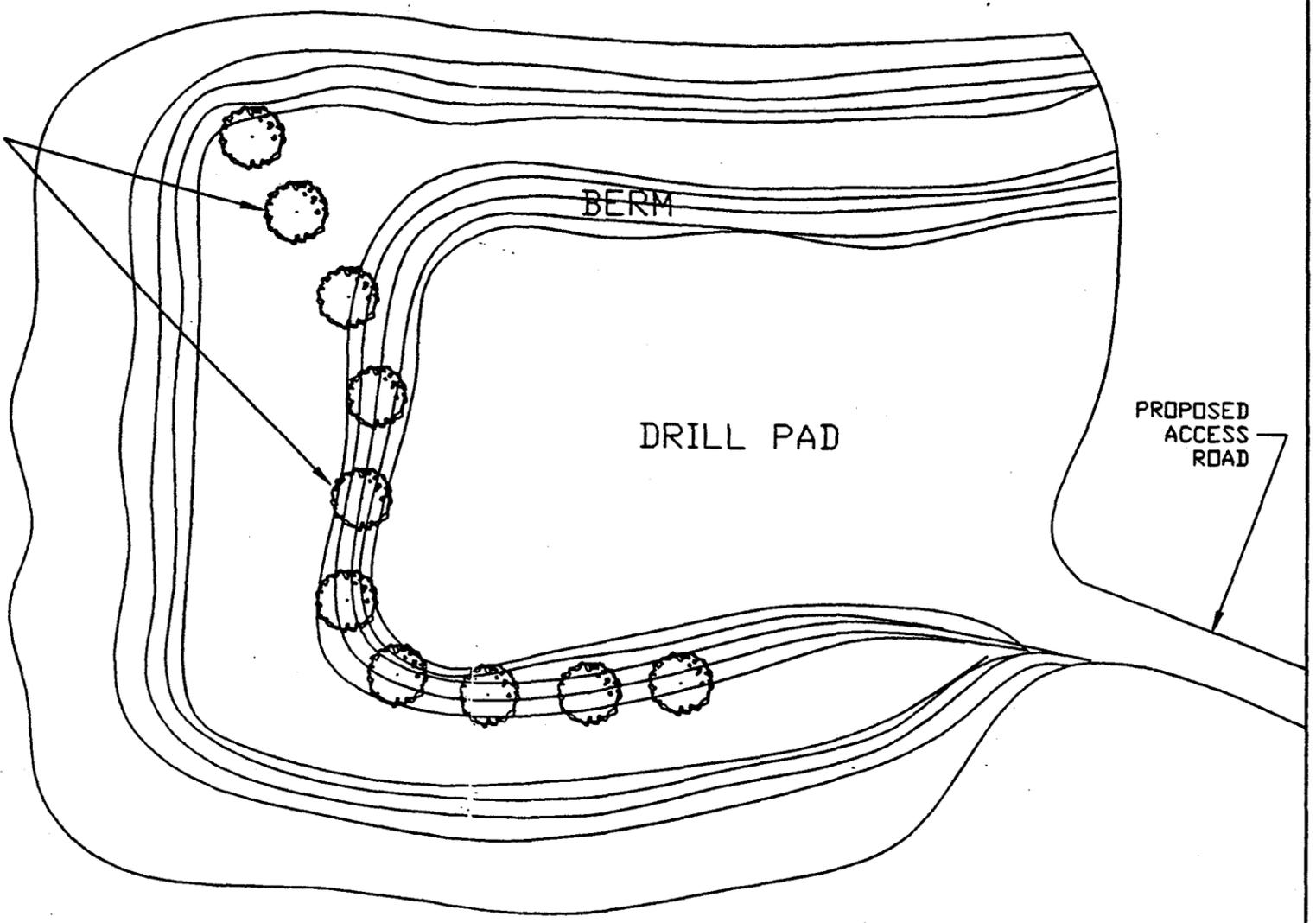
**Suitable Substitutions:**

Prostrate Kochia	yes	yes
Whitstem Rubber Rabbitbrush	no	yes
Utah Serviceberry	no	yes
Winterfat	yes	no

VISUAL MITIGATION SKYLINE WELLS



DEAD  
TREE'S  
SET IN  
GROUND



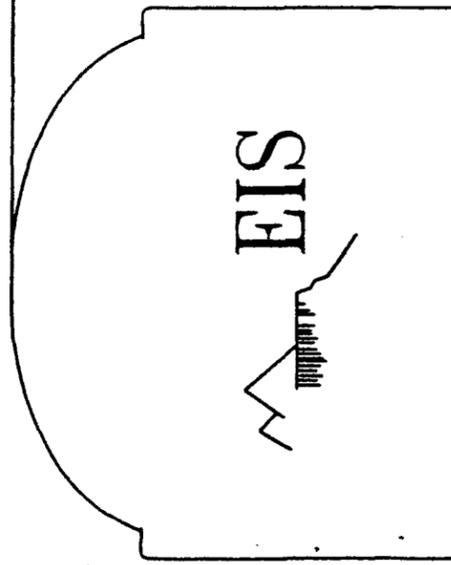
ANADARKO PETROLEUM CORP.  
LOCATION LAYOUT FOR

OLIVETO #A-2  
SECTION 8, T14S, R10E, S1L.B.&M.  
2569 FSL 2067 FWL

DATE AUGUST 1999

DESIGNED BY: [Signature]

BY: [Signature]



### C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the BLM Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the Moab Field Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed, with the Moab Field Office, for approval of all changes of plans and subsequent operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Price Field Office is to be notified.

First Production- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Price Field Office. The Price Field Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Don Stephens (work: 435-636-3608, home: 435-637-7967) or Mike Kaminski (work: 435-636-3640, home: 435-637-2518) of the BLM, Price Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching the surface casing setting depth

If the people above cannot be reached, notify the Moab Field Office at (435) 259-2100. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Field Office at (435) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer      Office: (435) 259-2117  
Home: (435) 259-2214

NEW MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Anadarko Petroleum Corporation  
ADDRESS P. O. Box 1330  
Houston, Texas 77251-1330

OPERATOR ACCT. NO. 0035

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION			COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP			
A	99999	12627	43-007-30539	Helper Federal B-12		34	13S	10E	Carbon	10-14-99
WELL 1 COMMENTS: <i>991029 entity added. KDR</i>										<b>CONFIDENTIAL</b>
A	99999	12628	43-007-30538	Helper Federal B-11		34	13S	10E	Carbon	10-17-99
WELL 2 COMMENTS: <i>991029 entity added. KDR</i>										<b>CONFIDENTIAL</b>
A	99999	12629	43-007-30557	Helper Federal F-1		8	14S	10E	Carbon	10-19-99
WELL 3 COMMENTS: <i>991029 entity added. KDR</i>										<b>CONFIDENTIAL</b>
A	99999	12630				8	14S	10E	Carbon	10-21-99
WELL 4 COMMENTS: <i>991029 entity added. KDR</i>										<b>CONFIDENTIAL</b>
A	99999	12631	43-007-30535	Helper Federal B-8		27	13S	10E	Carbon	10-22-99
WELL 5 COMMENTS: <i>991029 entity added. KDR</i>										<b>CONFIDENTIAL</b>

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

*July Anderson*  
Signature  
Regulatory Analyst 10-28-99  
Title Date  
Phone No. (281) 874-8766

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial Number

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

9. API Well Number:

10. Field and Pool, or Wildcat  
Helper Field

1. Type of Well: OIL  GAS  OTHER: coalbed methane

2. Name of Operator  
Anadarko Petroleum Corporation

3. Address and Telephone Number.  
17001 Northchase Dr., Houston, Texas 77060 (281) 874-8766

4. Location of Well  
Footages: County: Carbon  
QQ, Sec. T., R., M.: *NESW T14S R10E Sec 8* State: UT

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recomplete
- Perforate
- Vent or Flare
- Water Shut-Off

- Abandon\*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Weekly Progress Reports
- New Construction
- Pull or Alter Casing
- Perforate
- Vent or Flare
- Water Shut-Off

Date of work completion \_\_\_\_\_

Approximate date work will start \_\_\_\_\_

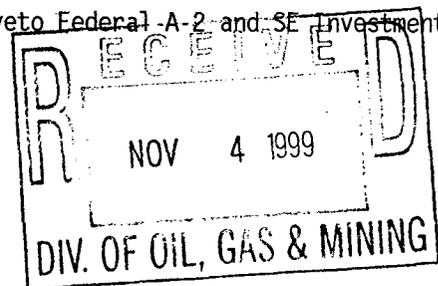
Report results of **Multiple Completions** and **Recompletions** to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

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

Weekly Reports for the following Helper Field Wells (Week ending 10-29-99)

Helper Federal B-3, B-4, B-8, B-10, B-11, B-12, D-3, D-4, F-1, Oliveto Federal A-2 and SE Investments 1



13. Name & Signature *July Davidson* Title Regulatory Analyst

Date 10-29-99

(This space for State use only)

ANADARKO PETROLEUM CORPORATION  
WELL HISTORY  
ONSHORE - U.S.

CONFIDENTIAL

**OLIVETA FEDERAL A-2**, HELPER FIELD, 2569 FSL & 2067 FWL, SEC 08-14S-10E, CARBON, CO., UT, WI 1.00, NRI 0.875, AFE #18612, ETD 2200', GLE 5928' (FERRON), ELLENBURG RIG 15. API #43-007-30556

- 10/22/1999 PRESET 330' 8-5/8" CSG & CMTD TO SURF, MIRU, **SPUD @ 1700 HRS 10/21/1999**, NU & TEST BOP - REPLACE KELLY VALVE & RETEST, TIH, PREP TO DRILL CMT, CC 15,000. RPT #1
- 10/23/1999 AIR DRLG F/ 320-2186, C&C, LOAD HOLE W/ PROD WTR, POOH LDDP, LOG WELL (LOGS ON BTM @ 0200 HRS 10/23/99), RIH W/ 52 JTS 5-1/2" 17# N80 CSG, WASH 3' TO BTM, SET CSG @ 2185, CMTD W/ 110 SX @ 14.2 PPG, FULL RETURNS, ND BOP, SET SLIPS, CUT CSG, **RLS RIG @ 1000 HRS 10/23/99**, LAST SURVEY @ 1821-1°, CC 76,435. RPT #2 - **DROP F/ REPORT**
- 10/27/1999 PBTD 2135 (FERRON COAL) MIRUWL, TIH W/ GR TO 2186, POOH TIH W/ GR/CCL/CBL, LOG FROM 2135-680, TOC @ 880, PRESS TEST CSG TO 5000-OK, **PERF 2002-07, 1926-43**, CC 83,100
- 10/28/1999 PBTD 2135 (FERRON COAL), WO FRAC, CC 83,100. --- **DROP FROM REPORT** ---

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: coalbed methane		5. Lease Designation and Serial Number
2. Name of Operator Anadarko Petroleum Corporation		6. Indian, Allottee or Tribe Name:
3. Address and Telephone Number. 17001 Northchase Dr., Houston, Texas 77060 (281) 874-8766		7. Unit Agreement Name:
4. Location of Well Footages: County: QQ,Sec., T., R., M.: State:		8. Well Name and Number: Weekly Progress Reports
		9. API Well Number:
		10. Field and Pool, or Wildcat Helper Field

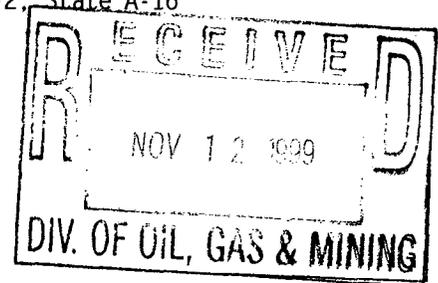
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandon	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandon*	<input type="checkbox"/> New Construction
<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Repair Casing	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Perforate
<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Perforate	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat or Acidize	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input type="checkbox"/> Other _____			
Approximate date work will start _____		Date of work completion _____	
		Report results of <b>Multiple Completions</b> and <b>Recompletions</b> to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.	
		* Must be accompanied by a cement verification report.	

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

Weekly Progress Reports for the following wells in Carbon County, Utah (Week Ending 11-05-99).

Helper Federal B-8, B-10, D-3, D-5, D-6, E-2, F-1, Oliveta Federal A-2, State A-16



13. Name & Signature Judy Davidson Title Regulatory Analyst Date 11-05-99

(This space for State use only)

NADARKO PETROLEUM CORPORATION  
WELL HISTORY  
ONSHORE - U.S.

CONFIDENTIAL

OLIVETA FEDERAL A-2, HELPER FIELD, 2569 FSL & 2067 FWL, SEC 08-14S-10E, CARBON, CO., UT, WI  
1.00, NRI 0.875, AFE #18612, ETD 2200', GLE 5928' (FERRON), ELLENBURG RIG 15. API #43-007-30556

- 10/22/1999 PRESET 330' 8-5/8" CSG & CMTD TO SURF, MIRU, SPUD @ 1700 HRS 10/21/1999, NU & TEST BOP - REPLACE KELLY VALVE & RETEST, TIH, PREP TO DRILL CMT, CC 15,000. RPT #1
- 10/23/1999 AIR DRLG F/ 320-2186, C&C, LOAD HOLE W/ PROD WTR, POOH LDDP, LOG WELL (LOGS ON BTM @ 0200 HRS 10/23/99), RIH W/ 52 JTS 5-1/2" 17# N80 CSG, WASH 3' TO BTM, SET CSG @ 2185, CMTD W/ 110 SX @ 14.2 PPG, FULL RETURNS, ND BOP, SET SLIPS, CUT CSG, RLS RIG @ 1000 HRS 10/23/99, LAST SURVEY @ 1821-1°, CC 76,435. RPT #2 - **DROP F/ REPORT**
- 10/27/1999 PBTD 2135 (FERRON COAL) MIRUWL, TIH W/ GR TO 2186, POOH TIH W/ GR/CCL/CBL, LOG FROM 2135-680, TOC @ 880, PRESS TEST CSG TO 5000-OK, PERF 2002-07, 1926-43, CC 83,100
- 10/28/1999 PBTD 2135 (FERRON COAL), WO FRAC, CC 83,100. --- **DROP FROM REPORT** ---
- 11/02/1999 PBTD 2135 (FERRON COAL), TIH W/ TBG AND BIT, TAG FILL AT 1861', CIRC TO 1910, DO PLUG AT 1910, CIRC TO PBTD, TOH TO 1800, RUSL, IFL 0, SWAB 50 BW, FFL 200, RDSL, SDFN, CC 186,400.
- 11/03/1999 PBTD 2135 (FERRON COAL), TIH W/ BHA, TBG ANC AND TBG, NDBOP NUWH, SET ANCHOR @ 1812, EOT @ 2096, TIH W/ RODS AND PUMP, CC 200,810.
- 11/04/1999 PBTD 2135 (FERRON COAL), WO PROD TESTS, CC 200,810. --- **DROP FROM REPORT** ---

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well  Oil Well  Gas Well  Dry  Other **COALBED METHANE**  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resrv.,  
 Other \_\_\_\_\_

2. Name of Operator  
**Anadarko Petroleum Corp.**

3. Address **17001 Northchase Dr., Houston, Texas 77060** 3a. Phone No. (include area code) **281-875-1101**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **2569' FSL & 2067' FWL OF SECTION 8-T14S-R10E**  
 At top prod. interval reported below **SAME**  
 At total depth **SAME**

14. Date Spudded **10/21/99** 15. Date T.D. Reached **10/23/99** 16. Date Completed  D & A  Ready to Prod.  
**10-28-99-CHD**

18. Total Depth: MD **2186'** 19. Plug Back T.D.: MD **2135'** 20. Depth Bridge Plug Set: MD **NONE** TVD \_\_\_\_\_

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL\GR\CALP\DRHO\DP\SMP**  
 22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
8 5/8"	J-55	24#	0	320'		150 SXS		SURFACE	NONE
5 1/2"	N-80	17#	0	2186'		110 SXS		880'	NONE

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	2096'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) FERRON COAL	1860'	2007'	1860'-2007' OA	.42 EHD	168	OPEN
B)			PLEASE SEE WB DIAGRAM			
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
1860' - 2007' OA	FRAC W/284,300 # 16/30 SAND FLUSH W/3680 GALLONS WATER

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
11/29/99	12/11/99	24	→	0	6	112	N/A		PUMPING ROD PUMP 2" X 1 1/2" X 12"
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
OPEN		40	→	0	6	112	N/A	PRODUCING	

28a. Production-Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	
			→						

**CONFIDENTIAL**

**RECEIVED**  
**JAN 13 2000**

**CONFIDENTIAL**  
**PERIOD**  
**EXPIRED**  
ON 11-28-00

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD TO QUESTAR

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
FERRON SANDS	1852	1854		FERRON SANDSTONE	1852
FERRON COAL	1854	2078		FERRON COAL	1854
TUNUNK SHALE	2078	2186		TUNUNK SHALE	2078

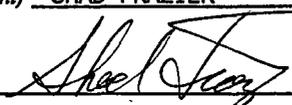
32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other **WB DIAGRAM**

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHAD FRAZIER Title PRODUCTION ENGINEER

Signature  Date 12/29/99

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.  
UTU-65762  
6. If Indian, Allottee or Tribe Name  
  
7. If Unit or CA/Agreement, Name and/or N

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

1. Type of Well  
 Oil Well  Gas Well  Other **CONFIDENTIAL** Coalbed Methane

2. Name of Operator  
**Anadarko Petroleum Corporation**

3a. Address  
**17001 Northchase Dr., Houston, Texas 77060**

3b. Phone No. (include area code)  
**(281) 875-1101**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Surface & BHL: 2569 FSL & 2067' FWL, Sec. 8-14S-10E**

8. Well Name and No.  
**Oliveto Federal A-2**  
9. API Well No.  
**4300730556**  
10. Field and Pool, or Exploratory Area  
  
11. County or Parish, State  
**Carbon County UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>1ST GAS SALES</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

**1ST GAS SALES ON NOVEMBER 29, 1999.**

*Completion date 12/28*

**RECEIVED**

**JAN 19 2000**

**DIVISION OF  
OIL, GAS AND MINING**

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

**SHAD FRAZIER**

Title

**PRODUCTION ENGINEER**

Date **12-1-99**

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

Approved by

Title

Date

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

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

**Oliveta Federal A**

2569' FSL & 2067 FWL Sec 08-14S-10E

API 43-007-30556

LAST REVISED: 01/06/2000



SPUD 10/21/1999 RIG OFF 10/23/1999  
 SURFACE PRODUCTION  
 WI% 100% NRI% 87.50000%

5928 GL KB 5940

**DATE WELL WORK HISTORY**

12-1/4" Hole  
 8-5/8" 24# J-55  
 TOC @ Surface  
 150 SXS CMT

320

**CONFIDENTIAL**

TOC

880

**Perforations**

1860 - 1870  
 1877 - 1882  
 1891 - 1896

1926 - 1943  
 2002 - 2007

168 Total Holes

PBTD

2135

7-7/8" Hole  
 5-1/2", 17# N-80  
 w/110 sxs cmt

2186

TD 2186

**NOTES:**

**SURFACE STRING**

8 5/8 24# J-55 set @ 330 Total Capacity: 21 bbl  
 CEMENT: Type: Class G  
 Volume: 150 sxs Calc. Top: Surface

**PRODUCTION STRING**

5.5" 17# - set @ 2185 FC@ Burst: 7740 psi  
 FS@ Collapse: 6280 psi  
 Hole Size: 7 7/8 TD: 2185 Capacity: 0.0232 bbl/ft  
 CEMENT: Class G Type: 14.2 ppg Number of Joints: 88  
 Volume: 110 sxs

**TUBING & TOOLS**

2 3/8" 4.7 # 8rd EUE I.D 1.997 Burst: 11199 psi  
 EOT @ 2096' Collapse: 11776 psi  
 Disc: TAC@ Capacity: 0.00387 bbl/ft

**ROD STRING**

3/4 Rods  
 7/8" Rods  
 1 1/2" Rods

**DEVIATION ANGLE**

1821 1

**FORMATION TOP KB 5940**

FERRON SS 1852 4088  
 FERRON COAL 1854 4086  
 TUNUNK SHALE 2078 3862

Gross Coal 18

January 6, 2000

Bureau of Land Management  
82 East Dogwood  
Moab, Utah 84532  
Attn: Ms. Marie McGann

CONFIDENTIAL  
**Anadarko** 

Re: Form 3160-4  
Well Completion Report and Logs

Dear Ms. McGann:

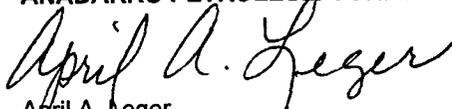
Please find enclosed, a Form 3160-4, Well Completion Report and Logs for the 16 wells listed below. We do not have a CBL for the Helper Federal D-8 and the Oliveto Federal A-2, at this time. As soon as we get a copy of those two logs we will forward them to you.

- 1) Helper Federal B-2
- 2) Helper Federal B-3
- 3) Helper Federal B-4
- 4) Helper Federal B-6
- 5) Helper Federal B-8
- 6) Helper Federal B-10
- 7) Helper Federal B-11
- 8) Helper Federal B-12
- 9) Helper Federal B-13
- 10) Helper Federal B-14
- 11) Helper Federal D-2
- 12) Helper Federal D-4
- 13) Helper Federal D-5
- 14) Helper Federal D-6
- 15) Helper Federal D-8
- 16) Oliveto Federal A-2

Should you require any additional information, please contact me at (281) 873-3899.

Best regards,

ANADARKO PETROLEUM CORPORATION



April A. Leger  
Sr. Technical Assistant

Cc: Bureau of Land Management  
Price River Resources Area  
900 North, 700 East  
Price, Utah 84501

Utah Division of Oil, Gas and Mining  
694 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

RECEIVED

JAN 13 2000

DIVISION OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

PRODUCTION OF  
OIL, GAS AND MINING

RECORDED

March 22, 2000

Anadarko Petroleum Corporation  
P.O. Box 1330  
Houston, Texas 77251-1330

Gentlemen:

*43-007-30556 / Oliveto Fed. A-2*

Enclosed is one approved copy of Communitization Agreement No. UTU78801. This agreement communitizes all rights as to natural gas and associated liquid hydrocarbons producible from the Ferron Formation, covering the SW $\frac{1}{4}$  of Section 8, Township 14 South, Range 10 East, SLB&M, Carbon County, Utah. This agreement conforms with the spacing set forth by the State of Utah, Board of Oil, Gas and Mining in Cause No. 241-2. The area was forced pooled by Cause No. 241-3.

This agreement is effective as of October 28, 1999. The communitized area covers 160.00 acres and includes portions of Federal Oil and Gas Lease No. UTU65762.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

Minerals Management Service Form MMS-3160, "Monthly Report of Operations", must be submitted for this agreement beginning with the month in which drilling operations commence for Well No. A-2, NE $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 8, Township 14 South, Range 10 East, SLB&M, Carbon County, Utah, API No. 43-007-30556, on Lease No. UTU65762. Form MMS-3160 is to be mailed to the Minerals Management Service, Production Accounting Division, P.O. Box 17110, Denver, CO 80217.

As this well is producing, this approval requires the submission of a Payor Information Form MMS-4025 to the Minerals Management Service (MMS) within 30 days (30 CFR 210.51). Please notify the designated payor or payors (purchasers, working interest owners, or others) as soon as possible regarding this requirement. Any production royalties that are due must be reported and paid within 90 days of the Bureau of Land Management's approval date or the payors will be assessed interest for late payment under the Federal Oil and Gas Royalty Management Act of 1982 (See 30 CFR 218.54). If you need assistance or clarification, please contact the Minerals Management Service at 1-800-525-9167 or 303-231-3504.

Please furnish all interested principals with necessary evidence of this approval.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Mineral Adjudication Group w/enclosure  
Field Manager - Moab w/enclosure

[REDACTED]  
File - UTU78801

MMS - Data Management Division

Agr. Sec. Chron.

Fluid Chron.

UT931:TATHOMPSON:tt:3/22/00

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

**ROUTING**  
 CDW

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

Operator Name Change/Merger

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

4/1/2013

<b>FROM:</b> (Old Operator): N0035-Anadarko Petroleum Corporation PO Box 173779 Denver, CO, 80214  Phone: 1 (720) 929-6000	<b>TO:</b> ( New Operator): N3940- Anadarko E&P Onshore LLC PO Box 173779 Denver, CO 802014  Phone: 1 (720) 929-6000
-------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------

CA No.			Unit:					
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List								

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/9/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/9/2013
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/10/2013
- a. Is the new operator registered in the State of Utah: Business Number: 593715-0161
- 5a. (R649-9-2)Waste Management Plan has been received on: Yes
- 5b. Inspections of LA PA state/fee well sites complete on: 4/10/2013
- 5c. Reports current for Production/Disposition & Sundries on: 4/10/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/2/2013 BIA N/A
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 4/10/2013

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 4/11/2013
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/11/2013
- Bond information entered in RBDMS on: 4/10/2013
- Fee/State wells attached to bond in RBDMS on: 4/11/2013
- Injection Projects to new operator in RBDMS on: 4/11/2013
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: WYB000291
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 22013542
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 4/11/2013

**COMMENTS:**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>CBM Wells</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See Wells</u>
2. NAME OF OPERATOR: <u>Anadarko Petroleum Corporation</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80217</u>		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: <u>(720) 929-6000</u>		8. WELL NAME and NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: <u>See Wells</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
		COUNTY: <u>Garfield</u>
		STATE: <u>UTAH</u>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/8/2013</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<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.

The operator is requesting authorization to transfer the wells from Anadarko Petroleum Corporation and Anadarko Production Company to Anadarko E&P Onshore, LLC. Please see the attached list of 181 wells that are currently filed under Anadarko Petroleum Corporation and Anadarko Production Company. The state/fee wells will be under bond number 22013542, and the federal wells will be under bond number WYB000291.

Effective 4/1/13

Please contact the undersigned if there are any questions.

RECEIVED  
**APR 09 2013**

Jaime Scharnowske  
Jaime Scharnowske  
Regulatory Analyst

Anadarko Petroleum Corporation **N0035**  
P.O. Box 173779  
Denver, CO 80214  
(720) 929-6000

DIV. OF OIL, GAS & MINING  
Jaime Scharnowske  
Jaime Scharnowske  
Regulatory Analyst

Anadarko E&P Onshore, LLC **N3940**  
P.O. Box 173779  
Denver, CO 80214  
(720) 929-6000

NAME (PLEASE PRINT) <u>Jaime Scharnowske</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE <u>Jaime Scharnowske</u>	DATE <u>4/8/2013</u>

(This space for State use only)  
**APPROVED**  
**APR 11 2013**  
DIV. OIL GAS & MINING  
Rachel Medina

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)  
 Effective 1<sup>st</sup> April-2013

Well Name	Sec	Twncshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER ST SWD 1	03	140S	100E	4300730361	12258	State	WD	A
FED F-2 SWD	08	140S	100E	4300730555	12557	Federal	WD	A
CLAWSON SPRING ST SWD 4	13	160S	080E	4301530477	12979	State	WD	A
CLAWSON SPRING ST SWD 1	36	150S	080E	4300730721	12832	State	WD	I
HELPER FED B-1	33	130S	100E	4300730189	11537	Federal	GW	P
HELPER FED A-1	23	130S	100E	4300730190	11517	Federal	GW	P
HELPER FED A-3	22	130S	100E	4300730213	11700	Federal	GW	P
HELPER FED C-1	22	130S	100E	4300730214	11702	Federal	GW	P
HELPER FED B-5	27	130S	100E	4300730215	11701	Federal	GW	P
HELPER FED A-2	22	130S	100E	4300730216	11699	Federal	GW	P
HELPER FED D-1	26	130S	100E	4300730286	12061	Federal	GW	P
BIRCH A-1	05	140S	100E	4300730348	12120	Fee	GW	P
HELPER ST A-1	03	140S	100E	4300730349	12122	State	GW	P
HELPER ST D-7	04	140S	100E	4300730350	12121	State	GW	P
CHUBBUCK A-1	31	130S	100E	4300730352	12397	Fee	GW	P
VEA A-1	32	130S	100E	4300730353	12381	Fee	GW	P
VEA A-2	32	130S	100E	4300730354	12483	Fee	GW	P
VEA A-3	32	130S	100E	4300730355	12398	Fee	GW	P
VEA A-4	32	130S	100E	4300730356	12482	Fee	GW	P
HELPER ST A-8	02	140S	100E	4300730357	12257	State	GW	P
HELPER ST A-3	02	140S	100E	4300730358	12254	State	GW	P
HELPER ST A-4	02	140S	100E	4300730359	12255	State	GW	P
HELPER ST A-7	02	140S	100E	4300730360	12256	State	GW	P
HELPER ST A-2	03	140S	100E	4300730362	12232	State	GW	P
HELPER ST A-5	03	140S	100E	4300730363	12231	State	GW	P
HELPER ST A-6	03	140S	100E	4300730364	12233	State	GW	P
HELPER ST D-4	04	140S	100E	4300730365	12228	State	GW	P
HELPER ST D-3	05	140S	100E	4300730366	12184	State	GW	P
HELPER ST D-5	04	140S	100E	4300730367	12226	State	GW	P
HELPER ST D-8	04	140S	100E	4300730368	12229	State	GW	P
HELPER ST D-2	05	140S	100E	4300730369	12481	State	GW	P
HELPER ST D-6	05	140S	100E	4300730370	12234	State	GW	P
HELPER ST D-1	06	140S	100E	4300730371	12399	State	GW	P
BIRCH A-2	08	140S	100E	4300730372	12189	Fee	GW	P
HELPER ST A-9	10	140S	100E	4300730373	12230	State	GW	P
HELPER ST B-1	09	140S	100E	4300730376	12227	State	GW	P
HELPER FED F-3	08	140S	100E	4300730378	12252	Federal	GW	P
HELPER FED F-4	09	140S	100E	4300730379	12253	Federal	GW	P
HELPER ST A-10	10	140S	100E	4300730433	12488	State	GW	P
HELPER ST A-11	11	140S	100E	4300730434	12487	State	GW	P
HELPER ST A-12	10	140S	100E	4300730435	12486	State	GW	P
HELPER ST A-13	10	140S	100E	4300730436	12485	State	GW	P
HELPER ST B-2	09	140S	100E	4300730437	12484	State	GW	P
HELPER FED E-7	19	130S	100E	4300730508	13623	Federal	GW	P
HELPER FED B-2	33	130S	100E	4300730530	12619	Federal	GW	P
HELPER FED B-3	33	130S	100E	4300730531	12622	Federal	GW	P
HELPER FED B-4	33	130S	100E	4300730532	12623	Federal	GW	P
HELPER FED B-6	27	130S	100E	4300730533	12644	Federal	GW	P
HELPER FED B-7	27	130S	100E	4300730534	12645	Federal	GW	P
HELPER FED B-8	27	130S	100E	4300730535	12631	Federal	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)  
Effective 1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER FED B-9	34	130S	100E	4300730536	12646	Federal	GW	P
HELPER FED B-10	34	130S	100E	4300730537	12626	Federal	GW	P
HELPER FED B-11	34	130S	100E	4300730538	12628	Federal	GW	P
HELPER FED B-12	34	130S	100E	4300730539	12627	Federal	GW	P
HELPER FED B-13	28	130S	100E	4300730540	12621	Federal	GW	P
HELPER FED B-14	28	130S	100E	4300730541	12620	Federal	GW	P
HELPER FED D-2	26	130S	100E	4300730542	12650	Federal	GW	P
HELPER FED D-3	26	130S	100E	4300730543	12634	Federal	GW	P
HELPER FED D-4	35	130S	100E	4300730544	12625	Federal	GW	P
HELPER FED D-5	35	130S	100E	4300730545	12637	Federal	GW	P
HELPER FED D-6	35	130S	100E	4300730546	12635	Federal	GW	P
HELPER FED E-1	29	130S	100E	4300730547	13246	Federal	GW	P
HELPER FED E-2	29	130S	100E	4300730548	12636	Federal	GW	P
HELPER FED H-1	01	140S	100E	4300730549	12653	Federal	GW	P
HELPER FED H-2	01	140S	100E	4300730550	12647	Federal	GW	P
OLIVETO FED A-2	08	140S	100E	4300730556	12630	Federal	GW	P
HELPER FED F-1	08	140S	100E	4300730557	12629	Federal	GW	P
SMITH FED A-1	09	140S	100E	4300730558	13004	Federal	GW	P
SE INVESTMENTS A-1	06	140S	100E	4300730570	12624	Fee	GW	P
HELPER ST A-14	11	140S	100E	4300730571	12612	State	GW	P
HELPER ST A-15	11	140S	100E	4300730572	12613	State	GW	P
HELPER ST E-1	36	130S	100E	4300730573	12615	State	GW	P
HELPER ST E-2	36	130S	100E	4300730574	12614	State	GW	P
HARMOND A-1	07	140S	100E	4300730586	12616	Fee	GW	P
HELPER ST E-3	36	130S	100E	4300730592	12868	State	GW	P
HELPER FED A-6	23	130S	100E	4300730593	12649	Federal	GW	P
HELPER FED D-7	26	130S	100E	4300730594	12651	Federal	GW	P
HELPER FED D-8	35	130S	100E	4300730595	12652	Federal	GW	P
CLAWSON SPRING ST A-1	36	150S	080E	4300730597	12618	State	GW	P
HELPER ST E-4	36	130S	100E	4300730598	12825	State	GW	P
HELPER ST A-16	11	140S	100E	4300730603	12638	State	GW	P
CHUBBUCK A-2	06	140S	100E	4300730604	12648	Fee	GW	P
CLAWSON SPRING ST A-2	36	150S	080E	4300730635	12856	State	GW	P
CLAWSON SPRING ST A-3	36	150S	080E	4300730636	13001	State	GW	P
CLAWSON SPRING ST A-4	36	150S	080E	4300730637	12844	State	GW	P
CLAWSON SPRING ST D-5	31	150S	090E	4300730642	12852	State	GW	P
CLAWSON SPRING ST D-6	31	150S	090E	4300730643	12847	State	GW	P
CLAWSON SPRING ST D-7	31	150S	090E	4300730644	12849	State	GW	P
HELPER FED A-5	23	130S	100E	4300730677	13010	Federal	GW	P
HELPER FED A-7	22	130S	100E	4300730678	13346	Federal	GW	P
HELPER FED B-15	28	130S	100E	4300730679	13015	Federal	GW	P
HELPER FED B-16	28	130S	100E	4300730680	13203	Federal	GW	P
HELPER FED C-2	24	130S	100E	4300730681	13016	Federal	GW	P
HELPER FED C-4	24	130S	100E	4300730682	13012	Federal	GW	P
HELPER FED C-7	21	130S	100E	4300730684	13204	Federal	GW	P
HELPER FED D-9	25	130S	100E	4300730685	13245	Federal	GW	P
HELPER FED D-10	25	130S	100E	4300730686	12993	Federal	GW	P
HELPER FED D-11	25	130S	100E	4300730687	12992	Federal	GW	P
HELPER FED D-12	25	130S	100E	4300730688	13005	Federal	GW	P
HELPER FED E-4	29	130S	100E	4300730689	13229	Federal	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)  
 Effective 1-April-2013

Well Name	Sec	Twنشp	Range	API	Entity No.	Lease Type	Well Type	Well status
HELPER FED A-4	23	130S	100E	4300730692	13009	Federal	GW	P
HELPER FED C-5	24	130S	100E	4300730693	13013	Federal	GW	P
HELPER FED G-1	30	130S	110E	4300730694	13006	Federal	GW	P
HELPER FED G-2	30	130S	110E	4300730695	13007	Federal	GW	P
HELPER FED G-3	31	130S	110E	4300730696	13002	Federal	GW	P
HELPER FED G-4	31	130S	110E	4300730697	13003	Federal	GW	P
HELPER FED H-3	01	140S	100E	4300730698	12831	Federal	GW	P
HELPER FED H-4	01	140S	100E	4300730699	12833	Federal	GW	P
CLAWSON SPRING ST D-8	31	150S	090E	4300730701	12851	State	GW	P
HELPER FED C-3	24	130S	100E	4300730702	13011	Federal	GW	P
CLAWSON SPRING ST J-1	35	150S	080E	4300730726	13299	Fee	GW	P
PIERUCCI 1	35	150S	080E	4300730727	13325	Fee	GW	P
POTTER ETAL 1	35	150S	080E	4300730728	12958	Fee	GW	P
POTTER ETAL 2	35	150S	080E	4300730737	12959	Fee	GW	P
HELPER FED G-5	30	130S	110E	4300730770	13655	Federal	GW	P
HELPER FED G-6	30	130S	110E	4300730771	13656	Federal	GW	P
HELPER FED G-7	31	130S	110E	4300730772	13657	Federal	GW	P
HELPER FED G-8	31	130S	110E	4300730773	13658	Federal	GW	P
GOODALL A-1	06	140S	110E	4300730774	13348	Fee	GW	P
HELPER FED E-8	19	130S	100E	4300730776	13624	Federal	GW	P
HAUSKNECHT A-1	21	130S	100E	4300730781	13347	Fee	GW	P
HELPER FED E-9	19	130S	100E	4300730868	13628	Federal	GW	P
HELPER FED E-5	20	130S	100E	4300730869	13625	Federal	GW	P
HELPER FED E-6	20	130S	100E	4300730870	13631	Federal	GW	P
HELPER FED E-10	30	130S	100E	4300730871	13629	Federal	GW	P
SACCOMANNO A-1	30	130S	100E	4300730872	13622	Fee	GW	P
HELPER FED E-11	30	130S	100E	4300730873	13630	Federal	GW	P
BLACKHAWK A-2	29	130S	100E	4300730886	13783	Fee	GW	P
BLACKHAWK A-3	20	130S	100E	4300730914	13794	Fee	GW	P
BLACKHAWK A-4	21	130S	100E	4300730915	13795	Fee	GW	P
BLACKHAWK A-1X	20	130S	100E	4300730923	13798	Fee	GW	P
HELPER STATE 12-3	03	140S	100E	4300750070	17824	State	GW	P
HELPER STATE 32-3	03	140S	100E	4300750071	17827	State	GW	P
HELPER STATE 32-36	36	130S	100E	4300750072	17825	State	GW	P
VEA 32-32	32	130S	100E	4300750075	17826	Fee	GW	P
CLAWSON SPRING ST E-7	07	160S	090E	4301530392	12960	State	GW	P
CLAWSON SPRING ST E-8	07	160S	090E	4301530394	12964	State	GW	P
CLAWSON SPRING ST E-3	06	160S	090E	4301530403	12965	State	GW	P
CLAWSON SPRING ST E-1	06	160S	090E	4301530404	12966	State	GW	P
CLAWSON SPRING ST E-2	06	160S	090E	4301530405	12961	State	GW	P
CLAWSON SPRING ST E-4	06	160S	090E	4301530406	12962	State	GW	P
CLAWSON SPRING ST C-1	12	160S	080E	4301530410	12617	State	GW	P
CLAWSON SPRING ST B-1	01	160S	080E	4301530427	12845	State	GW	P
CLAWSON SPRING ST B-2	01	160S	080E	4301530428	12846	State	GW	P
CLAWSON SPRING ST B-3	01	160S	080E	4301530429	12848	State	GW	P
CLAWSON SPRING ST B-4	01	160S	080E	4301530430	12854	State	GW	P
CLAWSON SPRING ST B-5	12	160S	080E	4301530431	12963	State	GW	P
CLAWSON SPRING ST B-8	11	160S	080E	4301530432	12863	State	GW	P
CLAWSON SPRING ST B-9	11	160S	080E	4301530433	12864	State	GW	P
CLAWSON SPRING ST C-2	12	160S	080E	4301530434	12850	State	GW	P

Anadarko Petroleum Corporation (N0035) to Anadarko E&P Onshore, LLC (N3940)  
Effective 1-April-2013

Well Name	Sec	Twnshp	Range	API	Entity No.	Lease Type	Well Type	Well status
CLAWSON SPRING ST C-4	14	160S	080E	4301530435	13199	State	GW	P
CLAWSON SPRING ST B-7	11	160S	080E	4301530460	12967	State	GW	P
CLAWSON SPRING ST C-6	14	160S	080E	4301530461	13355	State	GW	P
CLAWSON SPRING ST C-3	12	160S	080E	4301530463	12968	State	GW	P
CLAWSON SPRING ST B-6	11	160S	080E	4301530465	12969	State	GW	P
CLAWSON SPRING ST H-1	13	160S	080E	4301530466	13323	State	GW	P
CLAWSON SPRING ST H-2	13	160S	080E	4301530467	12955	State	GW	P
CLAWSON SPRING ST IPA-1	10	160S	080E	4301530468	12956	Fee	GW	P
CLAWSON SPRING ST IPA-2	15	160S	080E	4301530469	13200	Fee	GW	P
CLAWSON SPRING ST E-5	07	160S	090E	4301530470	12971	State	GW	P
CLAWSON SPRING ST G-1	02	160S	080E	4301530471	13014	State	GW	P
CLAWSON SPRING ST F-2	03	160S	080E	4301530472	13282	State	GW	P
CLAWSON SPRING ST F-1	03	160S	080E	4301530473	13278	State	GW	P
CLAWSON SPRING ST E-6	07	160S	090E	4301530474	13052	State	GW	P
CLAWSON SPRING ST G-2	02	160S	080E	4301530475	12957	State	GW	P
CLAWSON SPRING ST M-1	02	160S	080E	4301530488	13201	State	GW	P
CLAWSON SPRING ST K-1	02	160S	080E	4301530489	13202	State	GW	P
SHIMMIN TRUST 3	14	120S	100E	4300730119	11096	Fee	GW	PA
SHIMMIN TRUST 1	11	120S	100E	4300730120	11096	Fee	GW	PA
SHIMMIN TRUST 2	14	120S	100E	4300730121	11096	Fee	GW	PA
SHIMMIN TRUST 4	11	120S	100E	4300730123	11096	Fee	GW	PA
ST 9-16	16	120S	100E	4300730132	11402	State	GW	PA
ST 2-16	16	120S	100E	4300730133	11399	State	GW	PA
MATTS SUMMIT ST A-1	14	120S	090E	4300730141	11273	State	GW	PA
SLEMAKER A-1	05	120S	120E	4300730158	11441	Fee	GW	PA
JENSEN 16-10	10	120S	100E	4300730161	11403	Fee	GW	PA
JENSEN 7-15	15	120S	100E	4300730165	11407	Fee	GW	PA
SHIMMIN TRUST 12-12	12	120S	100E	4300730168	11420	Fee	GW	PA
JENSEN 11-15	15	120S	100E	4300730175	11425	Fee	GW	PA
BRYNER A-1	11	120S	120E	4300730188	11503	Fee	GW	PA
BRYNER A-1X (RIG SKID)	11	120S	120E	4300730209	11503	Fee	GW	PA
BLACKHAWK A-1	20	130S	100E	4300730885	13798	Fee	D	PA
BLACKHAWK A-5H	20	130S	100E	4300731402	17029	Fee	D	PA
CLAWSON SPRING ST SWD 3	06	160S	090E	4301530476	12978	State	D	PA
HELPER FED C-6	21	130S	100E	4300730683	13008	Federal	GW	S
UTAH 10-415	10	160S	080E	4301530391	12632	State	GW	TA

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
1	4300730189	HELPER FED B-1	NESW	33	13S	10E	Federal	USA UTU 71392	Producing
2	4300730190	HELPER FED A-1	C-SW	23	13S	10E	Federal	USA UTU 58434	Producing
3	4300730213	HELPER FED A-3	SESE	22	13S	10E	Federal	USA UTU 58434	Producing
4	4300730214	HELPER FED C-1	SENE	22	13S	10E	Federal	USA UTU 71391	Producing
5	4300730215	HELPER FED B-5	NENE	27	13S	10E	Federal	USA UTU 71392	Producing
6	4300730216	HELPER FED A-2	NESW	22	13S	10E	Federal	USA UTU 58434	Producing
7	4300730286	HELPER FED D-1	SWNE	26	13S	10E	Federal	USA UTU 68315	Producing
8	4300730378	HELPER FED F-3	NENE	8	14S	10E	Federal	USA UTU 65762	Producing
9	4300730379	HELPER FED F-4	NWNW	9	14S	10E	Federal	USA UTU 65762	Producing
10	4300730508	HELPER FED E-7	SESE	19	13S	10E	Federal	USA UTU 77980	Producing
11	4300730530	HELPER FED B-2	SENE	33	13S	10E	Federal	USA UTU 71392	Producing
12	4300730531	HELPER FED B-3	NESE	33	13S	10E	Federal	USA UTU 71392	Producing
13	4300730532	HELPER FED B-4	NENE	33	13S	10E	Federal	USA UTU 71392	Producing
14	4300730533	HELPER FED B-6	NENW	27	13S	10E	Federal	USA UTU 71392	Producing
15	4300730534	HELPER FED B-7	NESW	27	13S	10E	Federal	USA UTU 71392	Producing
16	4300730535	HELPER FED B-8	SESE	27	13S	10E	Federal	USA UTU 71392	Producing
17	4300730536	HELPER FED B-9	SENE	34	13S	10E	Federal	USA UTU 71392	Producing
18	4300730537	HELPER FED B-10	NWNE	34	13S	10E	Federal	USA UTU 71392	Producing
19	4300730538	HELPER FED B-11	SESW	34	13S	10E	Federal	USA UTU 71392	Producing
20	4300730539	HELPER FED B-12	NESE	34	13S	10E	Federal	USA UTU 71392	Producing
21	4300730540	HELPER FED B-13	SWSE	28	13S	10E	Federal	USA UTU 71392	Producing
22	4300730541	HELPER FED B-14	SWSW	28	13S	10E	Federal	USA UTU 71392	Producing
23	4300730542	HELPER FED D-2	SWNW	26	13S	10E	Federal	USA UTU 68315	Producing
24	4300730543	HELPER FED D-3	SESW	26	13S	10E	Federal	USA UTU 68315	Producing
25	4300730544	HELPER FED D-4	NWNW	35	13S	10E	Federal	USA UTU 68315	Producing
26	4300730545	HELPER FED D-5	SESW	35	13S	10E	Federal	USA UTU 68315	Producing
27	4300730546	HELPER FED D-6	NWSE	35	13S	10E	Federal	USA UTU 68315	Producing
28	4300730547	HELPER FED E-1	NESE	29	13S	10E	Federal	USA UTU 71675	Producing
29	4300730548	HELPER FED E-2	SESW	29	13S	10E	Federal	USA UTU 71675	Producing
30	4300730549	HELPER FED H-1	NENW	1	14S	10E	Federal	USA UTU 72352	Producing
31	4300730550	HELPER FED H-2	SESW	1	14S	10E	Federal	USA UTU 72352	Producing
32	4300730556	OLIVETO FED A-2	NESW	8	14S	10E	Federal	USA UTU 65762	Producing
33	4300730557	HELPER FED F-1	SESE	8	14S	10E	Federal	USA UTU 65762	Producing
34	4300730558	SMITH FED A-1	NWSW	9	14S	10E	Federal	USA UTU 65762	Producing
35	4300730593	HELPER FED A-6	SESE	23	13S	10E	Federal	USA UTU 58434	Producing
36	4300730594	HELPER FED D-7	C-SE	26	13S	10E	Federal	USA UTU 68315	Producing
37	4300730595	HELPER FED D-8	NENE	35	13S	10E	Federal	USA UTU 68315	Producing
38	4300730677	HELPER FED A-5	NENE	23	13S	10E	Federal	USA UTU 58434	Producing
39	4300730678	HELPER FED A-7	SENE	22	13S	10E	Federal	USA UTU 58434	Producing
40	4300730679	HELPER FED B-15	SENE	28	13S	10E	Federal	USA UTU 71392	Producing
41	4300730680	HELPER FED B-16	SWNW	28	13S	10E	Federal	USA UTU 71392	Producing
42	4300730681	HELPER FED C-2	NENW	24	13S	10E	Federal	USA UTU 71391	Producing

API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status	
43	4300730682	HELPER FED C-4	NWSW	24	13S	10E	Federal	USA UTU 71391	Producing
44	4300730683	HELPER FED C-6	SWSE	21	13S	10E	Federal	USA UTU 71391	Shut-In
45	4300730684	HELPER FED C-7	SESW	21	13S	10E	Federal	USA UTU 71391	Producing
46	4300730685	HELPER FED D-9	NWNW	25	13S	10E	Federal	USA UTU 68315	Producing
47	4300730686	HELPER FED D-10	SENE	25	13S	10E	Federal	USA UTU 68315	Producing
48	4300730687	HELPER FED D-11	SESW	25	13S	10E	Federal	USA UTU 68315	Producing
49	4300730688	HELPER FED D-12	SESE	25	13S	10E	Federal	USA UTU 68315	Producing
50	4300730689	HELPER FED E-4	NWNE	29	13S	10E	Federal	USA UTU 71675	Producing
51	4300730692	HELPER FED A-4	SWNW	23	13S	10E	Federal	USA UTU 58434	Producing
52	4300730693	HELPER FED C-5	SWNE	24	13S	10E	Federal	USA UTU 71391	Producing
53	4300730694	HELPER FED G-1	C-NW	30	13S	11E	Federal	USA UTU 71677	Producing
54	4300730695	HELPER FED G-2	SWSW	30	13S	11E	Federal	USA UTU 71677	Producing
55	4300730696	HELPER FED G-3	SENW	31	13S	11E	Federal	USA UTU 71677	Producing
56	4300730697	HELPER FED G-4	SESW	31	13S	11E	Federal	USA UTU 71677	Producing
57	4300730698	HELPER FED H-3	SWNE	1	14S	10E	Federal	USA UTU 72352	Producing
58	4300730699	HELPER FED H-4	NESE	1	14S	10E	Federal	USA UTU 72352	Producing
59	4300730702	HELPER FED C-3	SESW	24	13S	10E	Federal	USA UTU 71391	Producing
60	4300730770	HELPER FED G-5	SWNE	30	13S	11E	Federal	USA UTU 71677	Producing
61	4300730771	HELPER FED G-6	SWSE	30	13S	11E	Federal	USA UTU 71677	Producing
62	4300730772	HELPER FED G-7	NWNE	31	13S	11E	Federal	USA UTU 71677	Producing
63	4300730773	HELPER FED G-8	NESE	31	13S	11E	Federal	USA UTU 71677	Producing
64	4300730776	HELPER FED E-8	SENE	19	13S	10E	Federal	USA UTU 77980	Producing
65	4300730868	HELPER FED E-9	SESW	19	13S	10E	Federal	USA UTU 77980	Producing
66	4300730869	HELPER FED E-5	SWSW	20	13S	10E	Federal	USA UTU 71675	Producing
67	4300730870	HELPER FED E-6	SWNW	20	13S	10E	Federal	USA UTU 71675	Producing
68	4300730871	HELPER FED E-10	NENW	30	13S	10E	Federal	USA UTU 71675	Producing
69	4300730873	HELPER FED E-11	NWNE	30	13S	10E	Federal	USA UTU 71675	Producing
70	4300730119	SHIMMIN TRUST 3	SENW	14	12S	10E	Fee (Private)		Plugged and Abandoned
71	4300730120	SHIMMIN TRUST 1	SESE	11	12S	10E	Fee (Private)		Plugged and Abandoned
72	4300730121	SHIMMIN TRUST 2	SENE	14	12S	10E	Fee (Private)		Plugged and Abandoned
73	4300730123	SHIMMIN TRUST 4	SESW	11	12S	10E	Fee (Private)		Plugged and Abandoned
74	4300730158	SLEMAKER A-1	SWNE	5	12S	12E	Fee (Private)		Plugged and Abandoned
75	4300730161	JENSEN 16-10	SESE	10	12S	10E	Fee (Private)		Plugged and Abandoned
76	4300730165	JENSEN 7-15	SWNE	15	12S	10E	Fee (Private)		Plugged and Abandoned
77	4300730168	SHIMMIN TRUST 12-12	NWSW	12	12S	10E	Fee (Private)		Plugged and Abandoned
78	4300730175	JENSEN 11-15	NESW	15	12S	10E	Fee (Private)		Plugged and Abandoned
79	4300730188	BRYNER A-1	NESE	11	12S	12E	Fee (Private)		Plugged and Abandoned
80	4300730209	BRYNER A-1X (RIG SKID)	NESE	11	12S	12E	Fee (Private)		Plugged and Abandoned
81	4300730348	BIRCH A-1	NWSW	5	14S	10E	Fee (Private)		Producing
82	4300730352	CHUBBUCK A-1	NESE	31	13S	10E	Fee (Private)		Producing
83	4300730353	VEA A-1	SWNW	32	13S	10E	Fee (Private)		Producing
84	4300730354	VEA A-2	NENE	32	13S	10E	Fee (Private)		Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
85	4300730355	VEA A-3	SESW	32	13S	10E	Fee (Private)		Producing
86	4300730356	VEA A-4	NWSE	32	13S	10E	Fee (Private)		Producing
87	4300730372	BIRCH A-2	NWNW	8	14S	10E	Fee (Private)		Producing
88	4300730570	SE INVESTMENTS A-1	NESE	6	14S	10E	Fee (Private)		Producing
89	4300730586	HARMOND A-1	SENE	7	14S	10E	Fee (Private)		Producing
90	4300730604	CHUBBUCK A-2	SESW	6	14S	10E	Fee (Private)		Producing
91	4300730726	CLAWSON SPRING ST J-1	SESW	35	15S	8E	Fee (Private)		Producing
92	4300730727	PIERUCCI 1	SESW	35	15S	8E	Fee (Private)		Producing
93	4300730728	POTTER ETAL 1	SWNE	35	15S	8E	Fee (Private)		Producing
94	4300730737	POTTER ETAL 2	NESE	35	15S	8E	Fee (Private)		Producing
95	4300730774	GOODALL A-1	NWSW	6	14S	11E	Fee (Private)		Producing
96	4300730781	HAUSKNECHT A-1	SWNW	21	13S	10E	Fee (Private)		Producing
97	4300730872	SACCOMANNO A-1	NESE	30	13S	10E	Fee (Private)		Producing
98	4300730885	BLACKHAWK A-1	SESE	20	13S	10E	Fee (Private)		Plugged and Abandoned
99	4300730886	BLACKHAWK A-2	NWNW	29	13S	10E	Fee (Private)		Producing
100	4300730914	BLACKHAWK A-3	SENE	20	13S	10E	Fee (Private)		Producing
101	4300730915	BLACKHAWK A-4	NENE	21	13S	10E	Fee (Private)		Producing
102	4300730923	BLACKHAWK A-1X	SESE	20	13S	10E	Fee (Private)		Producing
103	4300731402	BLACKHAWK A-5H	NENE	20	13S	10E	Fee (Private)		Plugged and Abandoned
104	4300750075	VEA 32-32	SWNE	32	13S	10E	Fee (Private)		Producing
105	4301530468	CLAWSON SPRING ST IPA-1	SESE	10	16S	8E	Fee (Private)		Producing
106	4301530469	CLAWSON SPRING ST IPA-2	NENE	15	16S	8E	Fee (Private)		Producing
107	4300730132	ST 9-16	NESE	16	12S	10E	State	ML-44443	Plugged and Abandoned
108	4300730133	ST 2-16	NWNE	16	12S	10E	State	ML-44443	Plugged and Abandoned
109	4300730141	MATTS SUMMIT ST A-1	NWNW	14	12S	9E	State	ML-44496	Plugged and Abandoned
110	4300730349	HELPER ST A-1	SESW	3	14S	10E	State	ST UT ML 45805	Producing
111	4300730350	HELPER ST D-7	NWSW	4	14S	10E	State	ST UT ML 45804	Producing
112	4300730357	HELPER ST A-8	NWSE	2	14S	10E	State	ST UT ML 45805	Producing
113	4300730358	HELPER ST A-3	NWNW	2	14S	10E	State	ST UT ML 45805	Producing
114	4300730359	HELPER ST A-4	NWNE	2	14S	10E	State	ST UT ML 45805	Producing
115	4300730360	HELPER ST A-7	NESW	2	14S	10E	State	ST UT ML 45805	Producing
116	4300730362	HELPER ST A-2	NENE	3	14S	10E	State	ST UT ML 45805	Producing
117	4300730363	HELPER ST A-5	NESW	3	14S	10E	State	ST UT ML 45805	Producing
118	4300730364	HELPER ST A-6	NESE	3	14S	10E	State	ST UT ML 45805	Producing
119	4300730365	HELPER ST D-4	SWNW	4	14S	10E	State	ST UT ML 45804	Producing
120	4300730366	HELPER ST D-3	NENE	5	14S	10E	State	ST UT ML 45804	Producing
121	4300730367	HELPER ST D-5	NWNE	4	14S	10E	State	ST UT ML 45804	Producing
122	4300730368	HELPER ST D-8	SESE	4	14S	10E	State	ST UT ML 45804	Producing
123	4300730369	HELPER ST D-2	NENW	5	14S	10E	State	ST UT ML 45804	Producing
124	4300730370	HELPER ST D-6	SESE	5	14S	10E	State	ST UT ML 45804	Producing
125	4300730371	HELPER ST D-1	NENE	6	14S	10E	State	ST UT ML 45804	Producing
126	4300730373	HELPER ST A-9	SESW	10	14S	10E	State	ST UT ML 45805	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
127	4300730376	HELPER ST B-1	SWNE	9	14S	10E	State	ST UT ML 47556	Producing
128	4300730433	HELPER ST A-10	NWNE	10	14S	10E	State	ST UT ML 45805	Producing
129	4300730434	HELPER ST A-11	SWNW	11	14S	10E	State	ST UT ML 45805	Producing
130	4300730435	HELPER ST A-12	NWSW	10	14S	10E	State	ST UT ML 45805	Producing
131	4300730436	HELPER ST A-13	NESE	10	14S	10E	State	ST UT ML 45805	Producing
132	4300730437	HELPER ST B-2	NESE	9	14S	10E	State	ST UT ML 47556	Producing
133	4300730571	HELPER ST A-14	SESW	11	14S	10E	State	ST UT ML 45805	Producing
134	4300730572	HELPER ST A-15	SENE	11	14S	10E	State	ST UT ML 45805	Producing
135	4300730573	HELPER ST E-1	SESW	36	13S	10E	State	ST UT ML 45802	Producing
136	4300730574	HELPER ST E-2	SWNW	36	13S	10E	State	ST UT ML 45802	Producing
137	4300730592	HELPER ST E-3	NENE	36	13S	10E	State	ST UT ML 45802	Producing
138	4300730597	CLAWSON SPRING ST A-1	SWSE	36	15S	8E	State	ST UT ML 46106	Producing
139	4300730598	HELPER ST E-4	SWSE	36	13S	10E	State	ST UT ML 45802	Producing
140	4300730603	HELPER ST A-16	SWSE	11	14S	10E	State	ST UT ML 45805	Producing
141	4300730635	CLAWSON SPRING ST A-2	NWNW	36	15S	8E	State	ST UT ML 46106	Producing
142	4300730636	CLAWSON SPRING ST A-3	NESW	36	15S	8E	State	ST UT ML 46106	Producing
143	4300730637	CLAWSON SPRING ST A-4	NWNE	36	15S	8E	State	ST UT ML 46106	Producing
144	4300730642	CLAWSON SPRING ST D-5	NENW	31	15S	9E	State	ML-48226	Producing
145	4300730643	CLAWSON SPRING ST D-6	SWSW	31	15S	9E	State	ML-48226	Producing
146	4300730644	CLAWSON SPRING ST D-7	NWNE	31	15S	9E	State	ML-48226	Producing
147	4300730701	CLAWSON SPRING ST D-8	NWSE	31	15S	9E	State	ML-48226	Producing
148	4300750070	HELPER STATE 12-3	SWNW	3	14S	10E	State	ST UT ML 45805	Producing
149	4300750071	HELPER STATE 32-3	SWNE	3	14S	10E	State	ST UT ML 45805	Producing
150	4300750072	HELPER STATE 32-36	SWNE	36	13S	10E	State	ST UT ML 45802	Producing
151	4301530391	UTAH 10-415	NENE	10	16S	8E	State	ST UT ML 48189	Temporarily-Abandoned
152	4301530392	CLAWSON SPRING ST E-7	SENE	7	16S	9E	State	ST UT ML 48220-A	Producing
153	4301530394	CLAWSON SPRING ST E-8	SWSE	7	16S	9E	State	ST UT ML 48220-A	Producing
154	4301530403	CLAWSON SPRING ST E-3	SENE	6	16S	9E	State	ST UT ML 48220-A	Producing
155	4301530404	CLAWSON SPRING ST E-1	SENE	6	16S	9E	State	ST UT ML 48220-A	Producing
156	4301530405	CLAWSON SPRING ST E-2	NESW	6	16S	9E	State	ST UT ML 48220-A	Producing
157	4301530406	CLAWSON SPRING ST E-4	NWSE	6	16S	9E	State	ST UT ML 48220-A	Producing
158	4301530410	CLAWSON SPRING ST C-1	SWNW	12	16S	8E	State	ST UT UO 48209	Producing
159	4301530427	CLAWSON SPRING ST B-1	NENW	1	16S	8E	State	ST UT ML 48216	Producing
160	4301530428	CLAWSON SPRING ST B-2	NWSW	1	16S	8E	State	ST UT ML 48216	Producing
161	4301530429	CLAWSON SPRING ST B-3	NWNE	1	16S	8E	State	ST UT ML 48216	Producing
162	4301530430	CLAWSON SPRING ST B-4	SESE	1	16S	8E	State	ST UT ML 48216	Producing
163	4301530431	CLAWSON SPRING ST B-5	SWSW	12	16S	8E	State	ST UT ML 48216	Producing
164	4301530432	CLAWSON SPRING ST B-8	SENE	11	16S	8E	State	ST UT ML 48216	Producing
165	4301530433	CLAWSON SPRING ST B-9	NWSE	11	16S	8E	State	ST UT ML 48216	Producing
166	4301530434	CLAWSON SPRING ST C-2	SENE	12	16S	8E	State	ST UT UO 48209	Producing
167	4301530435	CLAWSON SPRING ST C-4	SWNW	14	16S	8E	State	ST UT UO 48209	Producing
168	4301530460	CLAWSON SPRING ST B-7	NWSW	11	16S	8E	State	ST UT ML 48216	Producing

	API Well Number	Well Name	Qtr/Qtr	Section	Township	Range	Mineral Lease Type	Mineral Lease Number	Well Status
169	4301530461	CLAWSON SPRING ST C-6	SENE	14	16S	8E	State	ST UT UO 48209	Producing
170	4301530463	CLAWSON SPRING ST C-3	C-SE	12	16S	8E	State	ST UT UO 48209	Producing
171	4301530465	CLAWSON SPRING ST B-6	NENW	11	16S	8E	State	ST UT ML 48216	Producing
172	4301530466	CLAWSON SPRING ST H-1	NENW	13	16S	8E	State	ST UT ML 48217-A	Producing
173	4301530467	CLAWSON SPRING ST H-2	NENE	13	16S	8E	State	ST UT ML 48217-A	Producing
174	4301530470	CLAWSON SPRING ST E-5	NENW	7	16S	9E	State	ST UT ML 48220-A	Producing
175	4301530471	CLAWSON SPRING ST G-1	NWNW	2	16S	8E	State	ST UT ML 46314	Producing
176	4301530472	CLAWSON SPRING ST F-2	NESE	3	16S	8E	State	ST UT ML 48515	Producing
177	4301530473	CLAWSON SPRING ST F-1	SENE	3	16S	8E	State	ST UT ML 48514	Producing
178	4301530474	CLAWSON SPRING ST E-6	SESW	7	16S	9E	State	ST UT ML 48220-A	Producing
179	4301530475	CLAWSON SPRING ST G-2	NESW	2	16S	8E	State	ST UT ML 46314	Producing
180	4301530488	CLAWSON SPRING ST M-1	NWNE	2	16S	8E	State	ST UT ML 47561	Producing
181	4301530489	CLAWSON SPRING ST K-1	SESE	2	16S	8E	State	ST UT ML 46043	Producing