

**STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING**

**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. ML-48226	
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"/> MULTIP LE <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. Clawson Spring State D-8	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface NWSE 2660 FSL 1671 FEL, SE Section 31, T15S R9E At proposed prod. zone 2660 FSL 1671 FEL, SE Section 31, T15S R9E				9. API WELL NO.  1212271 5440241	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 13 miles SW 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) 1671'		16. NO. OF ACRES IN LEASE 1164'	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.		19. PROPOSED DEPTH 3850'	20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6419' GL				22. APPROX. DATE WORK WILL START. 06/01/2000	
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
11"	8 5/8" J-55	24#	300'	180 cu. Ft.	
7-7/8"	5-1/2" K55	15.5	3920	300 cu. ft.	

Attached is the following:

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

Surface Owner: Division of State Lands & Forestry  
355 West North Temple, Suite 400  
Salt Lake City, Utah 84180

Water Source: City of Price

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

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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 Judy Davidson TITLE Judy Davidson  
Regulatory Analyst DATE 05/09/2000

(This space for State office use)

PERMIT NO. 43-007-30201 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 ARE ANY:

APPROVED BY Bradley G. Hill TITLE BRADLEY G. HILL  
RECLAMATION SPECIALIST III DATE 7/19/00

See Instructions On Reverse Side

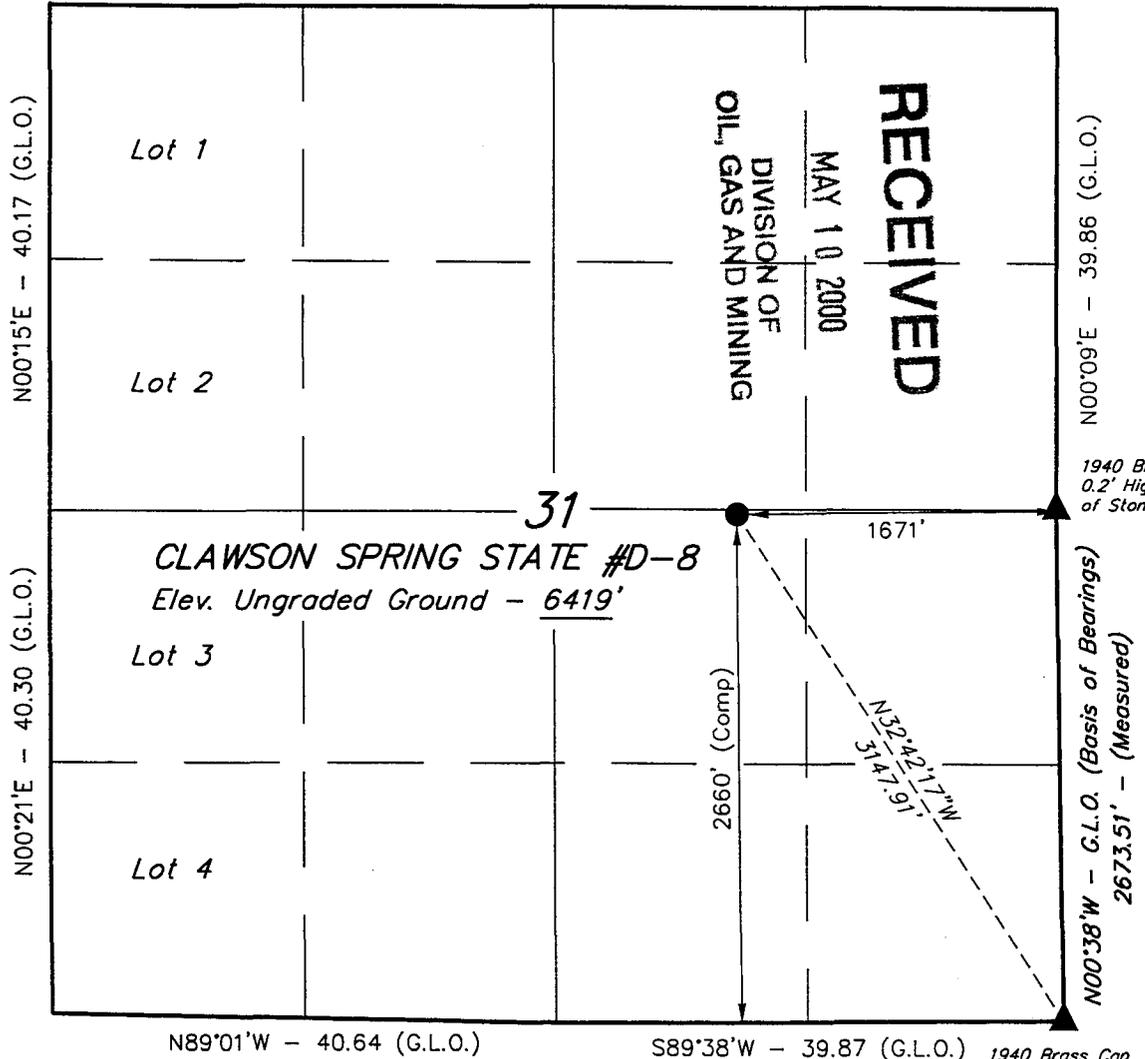
# T15S, R9E, S.L.B.&M.

## ANADARKO PETROLEUM CORP.

Well Location, CLAWSON SPRING STATE #D-8, located as shown in the NW 1/4 SW 1/4 of Section 31, T15S, R9E, S.L.B.&M. Carbon County, Utah.

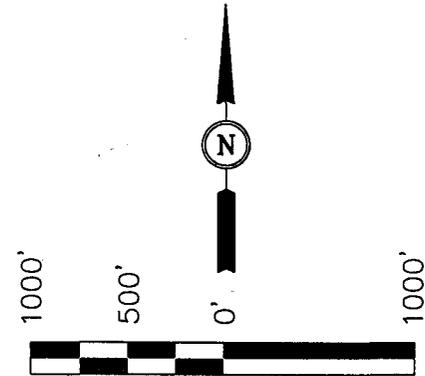
S89°18'E - 39.41 (G.L.O.)

S89°50'E - 40.35 (G.L.O.)



### BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE SE 1/4 SW 1/4 OF SECTION 30, T15S, R9E, S.L.B.&M. TAKEN FROM THE POISON SPRING BENCH QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6625 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.

*Robert L. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 1-6-00	DATE DRAWN: 1-20-00
PARTY D.K. L.J. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE ANADARKO PETROLEUM CORP.	

#### LEGEND:

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

Latitude = 39°28'37"  
Longitude = 110°57'09"



May 9, 2000

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

Gentlemen:

Enclosed, in duplicate, are Applications for Permit to Drill (Form 3) for the following wells in Carbon/Emery Counties.

Clawson Spring State C-3  
Clawson Spring State D-8

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

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**DIVISION OF  
OIL, GAS AND MINING**

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

Company: Anadarko Petroleum Corporation

Well: **Clawson Spring State D-8**

Location: 2660 FSL& 1671 FEL  
T15S R9E Sec. 31  
Carbon County, Utah

Lease: **ML-48226**

Surface Elevation: 6419

A. Estimated Tops of Important Geologic Markers:

<u>GEOLOGIC MARKER</u>	<u>DEPTH</u>
Emery	Surface
Bluegate Shale	2059
Ferron SS Member	3159
Ferron Coal Top	3184
Base of Ferron Coal	3334
Tununk Shale	3394

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**DIVISION OF**  
**OIL, GAS AND MINING**

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: 3159 - 3334.

All fresh water zones and prospectively valuable mineral zones encountered during drilling will be recorded by depth and adequately protected. All 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.

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. Potential hazards such as H2S are also not anticipated.

**ANADARKO PETROLEUM CORP.**

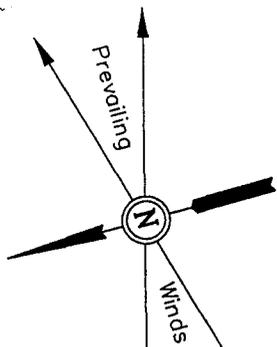
LOCATION LAYOUT FOR

CLAWSON SPRING STATE #D-8  
SECTION 31, T15S, R9E, S.L.B.&M.  
2660' FSL 1671' FEL

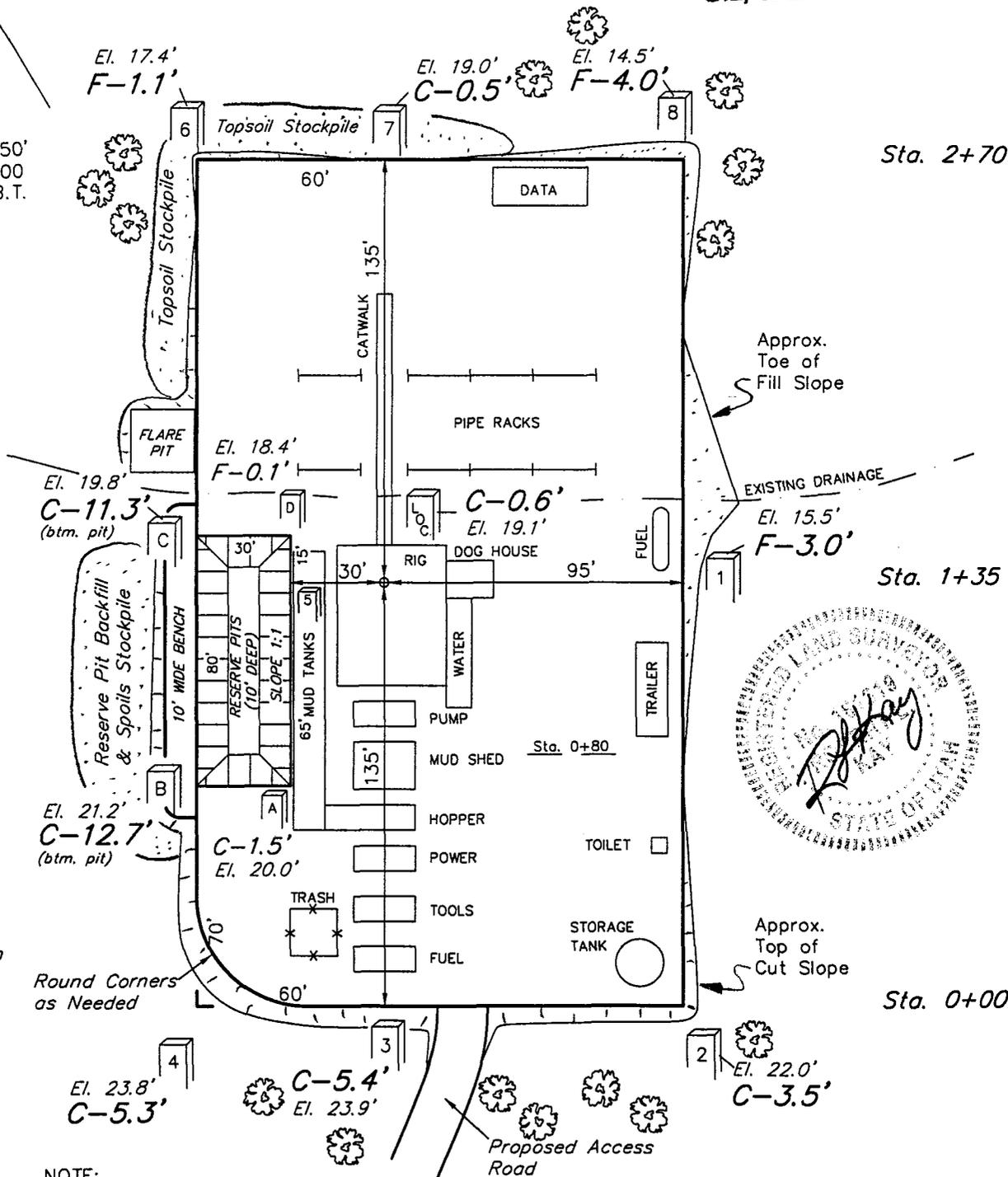
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OIL, GAS AND MINING



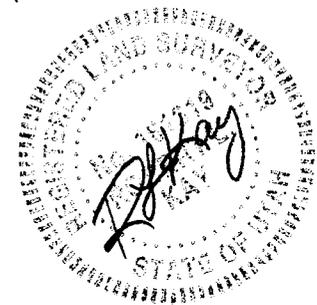
SCALE: 1" = 50'  
DATE: 1-20-00  
Drawn By: C.B.T.



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

Round Corners  
as Needed

NOTE:  
DO NOT DISTURB TREES.



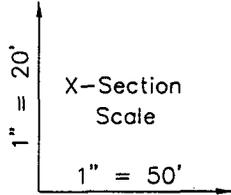
ELEV. UNGRADED GROUND AT LOC. STAKE = 6419.1'  
ELEV. GRADED GROUND AT LOC. STAKE = 6418.5'

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

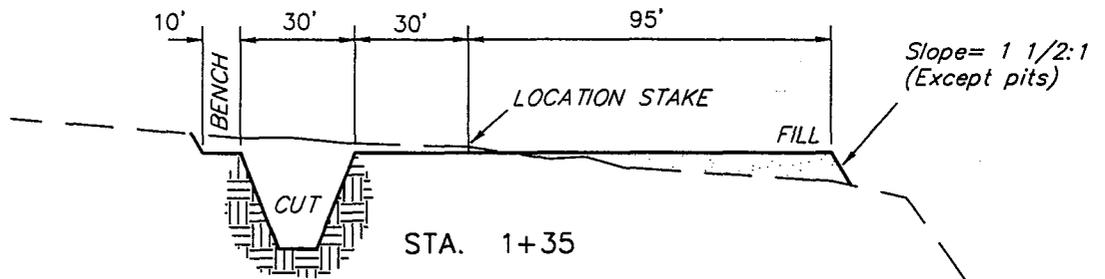
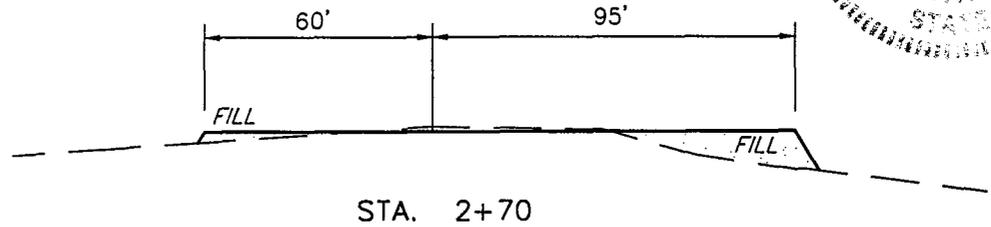
# ANADARKO PETROLEUM CORP.

## TYPICAL CROSS SECTIONS FOR

CLAWSON SPRING STATE #D-8  
SECTION 31, T15S, R9E, S.L.B.&M.  
2660' FSL 1671' FEL



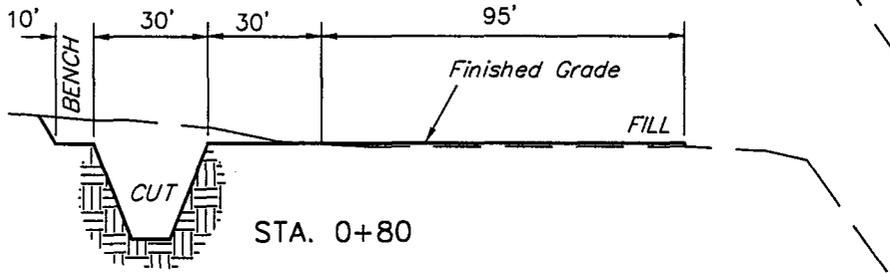
DATE: 1-20-00  
Drawn By: C.B.T.



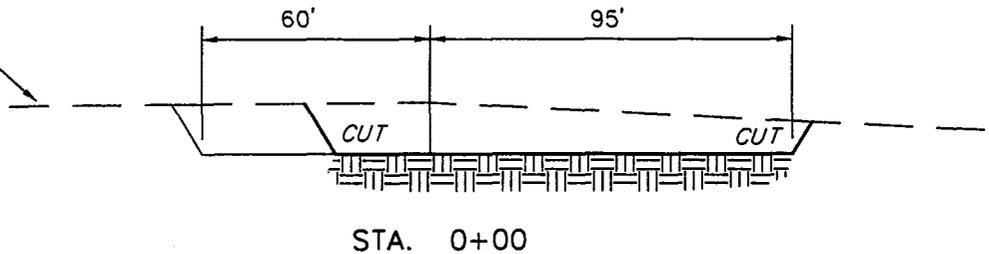
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Preconstruction  
Grade

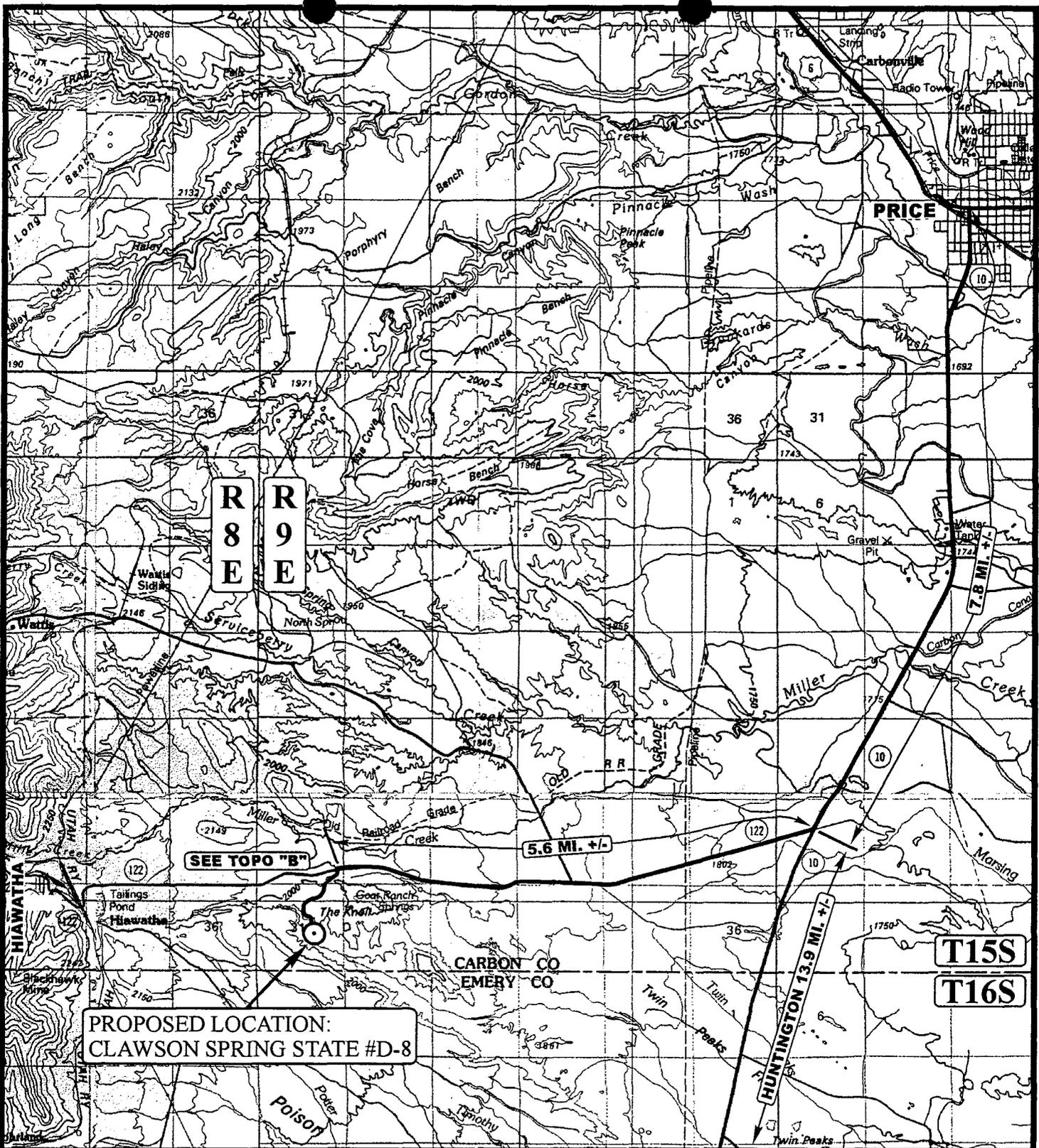


### APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	= 800	Cu. Yds.
Remaining Location	= 1,820	Cu. Yds.
<b>TOTAL CUT</b>	<b>= 2,620</b>	<b>CU.YDS.</b>
<b>FILL</b>	<b>= 1,470</b>	<b>CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 1,070	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,070	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0	Cu. Yds.

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R  
8  
E

R  
9  
E

SEE TOPO "B"

5.6 MI. +/-

HUNTINGTON 13.9 MI. +/-

PROPOSED LOCATION:  
CLAWSON SPRING STATE #D-8

T15S

T16S

**LEGEND:**

⊙ PROPOSED LOCATION



**ANADARKO PETROLEUM CORP.**

**CLAWSON SPRING STATE #D-8**  
**SECTION 31, T15S, R9E, S.L.B.&M.**  
**2660' FSL 1671' FEL**



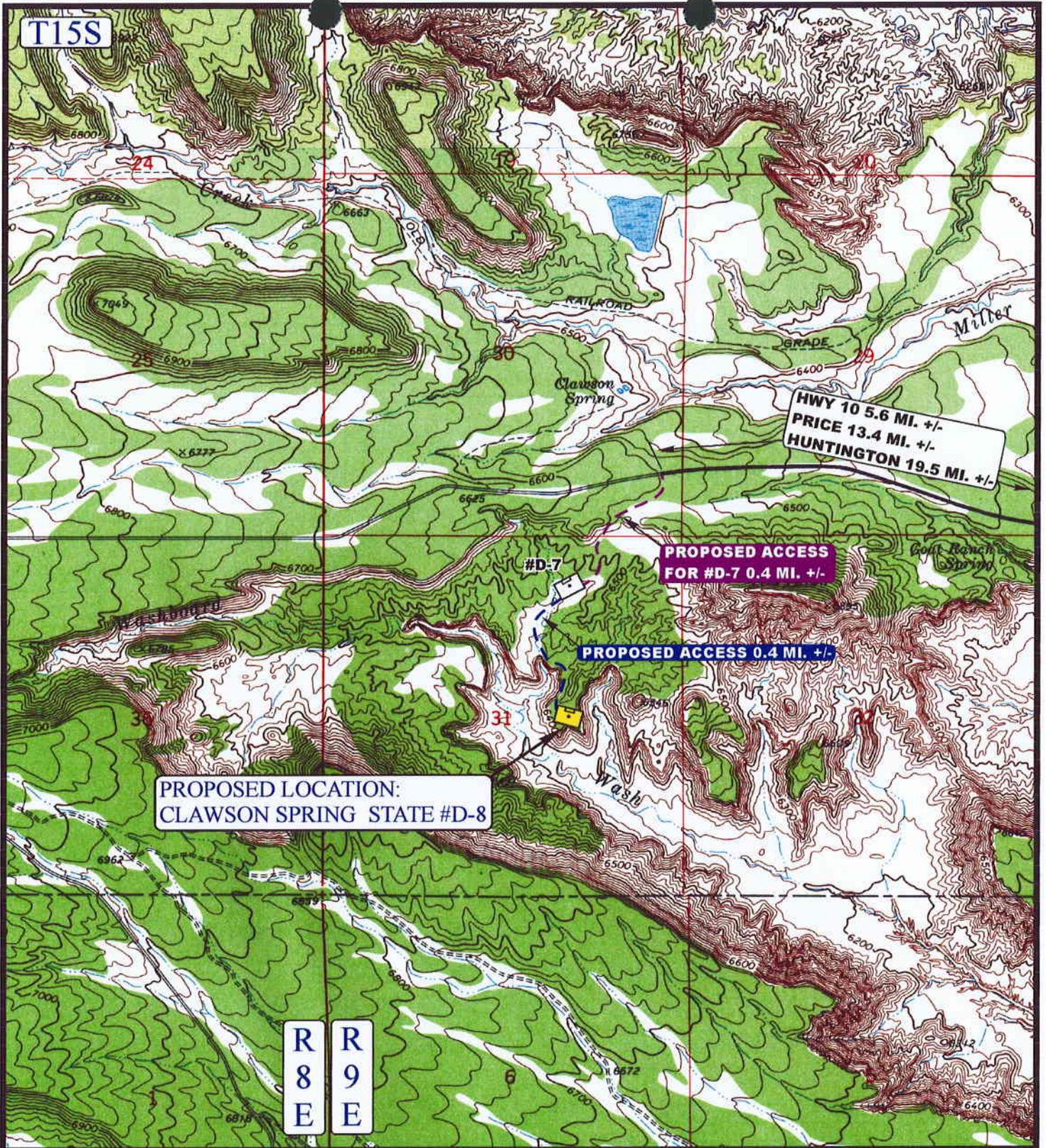
**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

**1** MONTH  
**10** DAY  
**00** YEAR

SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00





PROPOSED LOCATION:  
CLAWSON SPRING STATE #D-8

HWY 10 5.6 MI. +/-  
PRICE 13.4 MI. +/-  
HUNTINGTON 19.5 MI. +/-

PROPOSED ACCESS  
FOR #D-7 0.4 MI. +/-

PROPOSED ACCESS 0.4 MI. +/-

R 8 E  
R 9 E

LEGEND:

- - - - - PROPOSED ACCESS ROAD
- EXISTING ROAD

ANADARKO PETROLEUM CORP.

CLAWSON SPRING STATE #D-8  
SECTION 31, T15S, R9E, S.L.B.&M.  
2660' FSL 1671' FEL



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



TOPOGRAPHIC MAP	1	10	00
	MONTH	DAY	YEAR
SCALE: 1" = 2000'	DRAWN BY: J.L.G.		REVISED: 00-00-00





July 3, 2000

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

Attention: Lisha Cordova

RE: Exception to Location, Cause 243-1  
Clawson Spring State D-8  
Section 31, T15S, R9E

Gentlemen:

In accordance with Cause 243-1, Location and Siting of Wells, Anadarko Petroleum Corporation hereby requests a location exception for the Clawson Spring State D-8 in Carbon County, Utah. This location exception is requested due to topography in this area which mandates that this well be positioned 2660' FSL & 1671' FEL of Section 31, T15S, R9E. Anadarko is its own offset operator and waives 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, appearing to read "Judy Davidson".

Judy Davidson  
Regulatory Analyst

JD/me

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JUL 06 2000

DIVISION OF  
OIL, GAS AND MINING

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/10/2000

API NO. ASSIGNED: 43-007-30701
--------------------------------

WELL NAME: CLAWSON SPRING ST D-8  
 OPERATOR: ANADARKO PETROLEUM CORP ( N0035 )  
 CONTACT: JUDY DAVIDSON

PHONE NUMBER: 281-875-1101

PROPOSED LOCATION:  
 NWSE 31 150S 090E  
 SURFACE: 2660 FSL 1671 FEL  
 BOTTOM: 2660 FSL 1671 FEL  
 CARBON  
 UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	<i>RSK</i>	7-19-00
Geology		
Surface		

LEASE TYPE: 3-State  
 LEASE NUMBER: ML-48226  
 SURFACE OWNER: 3-State

PROPOSED FORMATION: FRSD

RECEIVED AND/OR REVIEWED:

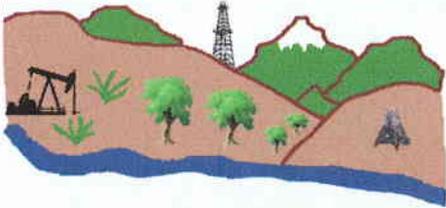
- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]  
(No. 203521 )
- Potash (Y/N)
- Oil Shale (Y/N) \*190 - 5 (B)
- Water Permit  
(No. PRWID )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit
- R649-3-2. General
- Siting: \_\_\_\_\_
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 243-1 (160')
- Eff Date: 10-13-98
- Siting: 660' fr. Dr. Unit Boundary & 1320' between wells.
- R649-3-11. Directional Drill

COMMENTS: Need Presite. (Conducted 7-14-00)  
Need add'l info. "Ex. Loc. 243-1". (Rec'd 7-5-00)

STIPULATIONS: ① STATEMENT OF BASIS



Utah Oil Gas and Mining

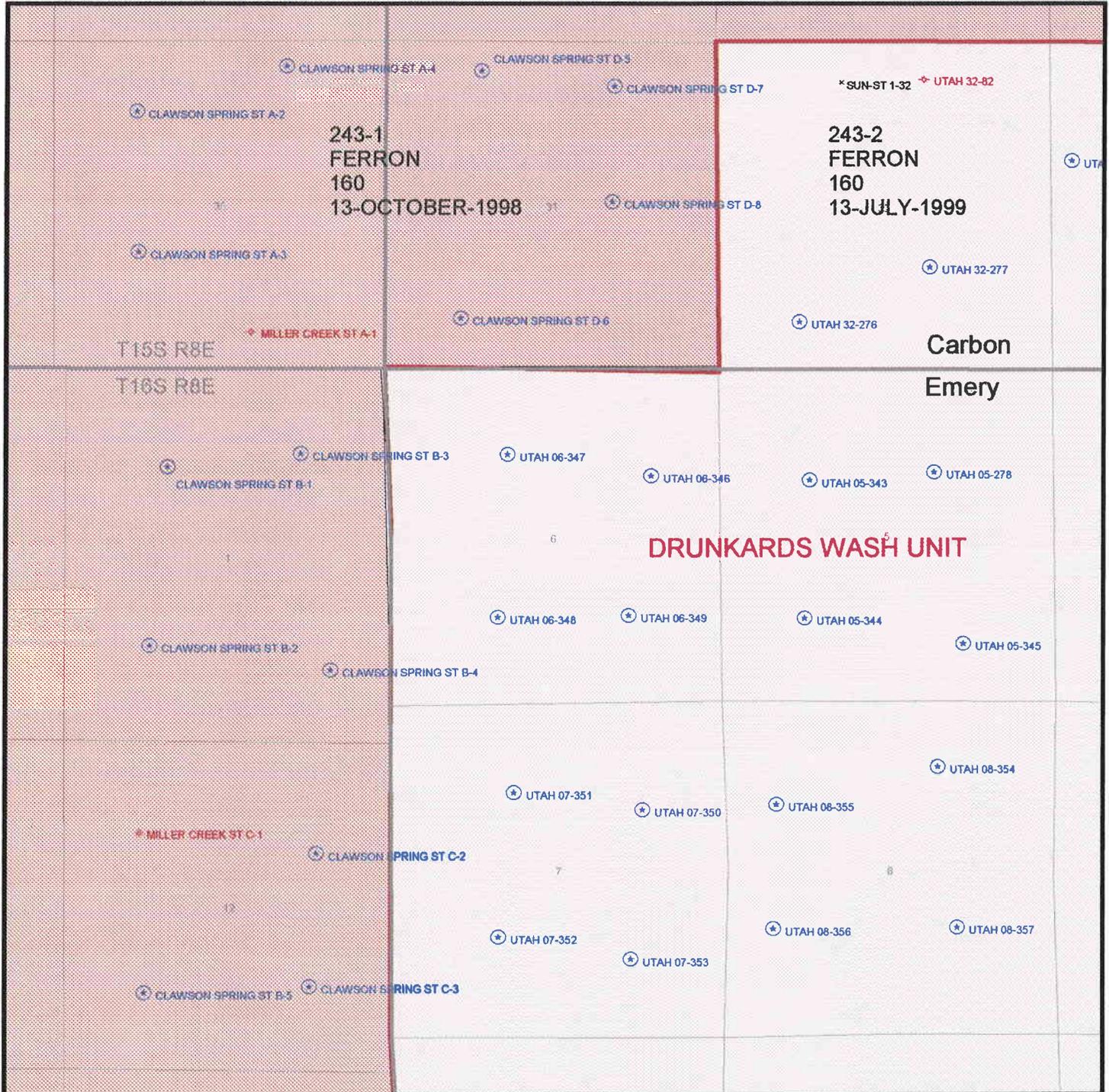
Serving the Industry, Protecting the Environment

OPERATOR: ANADARKO PETROLEUM CORP. (N0035)

FIELD: UNDESIGNATED (002)

S EC. 31, T 15 S, R 9 E, SEC. 12, T16S, R8E

COUNTY: CARBON & EMERY CAUSE: 243-1 160 ACRES



PREPARED  
DATE: 12-MAY-2000

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

**Operator Name:** Anakarko Petroleum Corporation

**Name & Number:** Clawson Spring State SWD-8

**API Number:** 43-007-30701

**Location:** 1/4, 1/4 NW SE Sec. 31 T. 15 S R. 9 E **County:** Carbon

**Geology/Ground Water:**

There are twelve of diversion within 1 mile of this location none of these are culinary or are used as culinary supplies. There is one spring and an active creek that has water in them at all times. It is possible that zones of potable water may be encountered while drilling, however the proposed casing and cement program will adequately isolate any zones of water penetrated once they are modified as stipulated. Washboard Wash is not active this time of the year and for most of the summer dry season. However the drainage does carry water at times and added precautions will be taken to adequately protect the wash from added silt burden or load that can be reasonably controlled.

**Reviewer:** K. Michael Hebertson **Date:** 14/July/2000

**Surface:**

Carbon County and SITLA personnel were invited to participate in the pre-site but elected not to attend. As a precaution the spoil pile will be moved and reshaped in order to keep it out of the small gully that feeds directly into Washboard Wash. The South side will be indented and rip wrapped and the whole east and south side fills will need to be kept on the ridge above the wash with rock. There were no issues with wildlife except the winter drilling restrictions. There were no raptor conditions or stipulations with this location as there are no active nesting sites in the immediate area. The nearest moving water is in Miller Creek ~1 mile north however Washboard Wash also has water in it during certain seasons of the year. Precipitation will be diverted around the location and berms will be established to keep pollutants from entering or leaving the well pad. Wildlife discussed a winter drilling restriction that the operator was aware of and willing to abide by.

**Reviewer:** K. Michael Hebertson **Date:** 14 /July/2000

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

1. Indent the South side to keep the edge of location on the ridge line above the canyon on the west
2. Rip wrap the filled portions on the east and south of the pad and berm the top outside edge.
3. A pit liner and extra padding are required.
4. Berms and diversions to protect the location and spoil piles and control erosion and pollution.
5. Dust suppression while air drilling.
6. The surface casing will be extended from 300' to 400' to ensure it is set deeper than the canyon bottom.

## ON-SITE PREDRILL EVALUATION

### Division of Oil, Gas and Mining

OPERATOR: Anadarko Petroleum Corporation

WELL NAME & NUMBER: Clawson Springs State D-8

API NUMBER: 43-007-30701

LEASE: State ML-48226 FIELD/UNIT: UNDESIGNATED

LOCATION: 1/4,1/4 NW SE Sec 31 TWP: 15 S RNG: 9 E 2660 FSL 1671 FEL

LEGAL WELL SITING: 660' F SEC. LINE; 660 F 1/4,1/4 LINE; 1320 F ANOTHER WELL.

GPS COORD (UTM): X = 504,084 E; Y = 4,369,507 N Calculated SURFACE OWNER: State

### PARTICIPANTS

Mike Hebertson & Chris Kierst, (DOGM), Jim Harley (Anadarko), C. Colt (DWR), David Kay & Eric Olsen (Uintah Engineering)

### REGIONAL/LOCAL SETTING & TOPOGRAPHY

Western margin of Colorado Plateau/~2.5 miles east of the Wasatch Plateau. The location is on the westward-dipping pediment mantle of the upper Blue Gate Member of the Mancos Shale. The well may penetrate the Emery Sandstone Member and possibly the Middle Emery Member of the Mancos Shale. The pad is on an intermediate bench of the lower Wasatch Plateau and is forested with Pinon Juniper on ground which slopes towards Washboard Wash, ~1/4 mile to the south and is ~1/4 mile south of Highway 122. Highway 10 is east about 5 miles. and 2.5 miles east of the Hiawatha Mine.

### SURFACE USE PLAN

CURRENT SURFACE USE: Grazing and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: 320 X 210' pad and outboard soil storage a 30' X 80' X 10' inboard pit and ~ 1,800- 2,000' of new approach road to access the location.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: There are two gas wells within the radius of one mile of this location. There are 12 points of diversion or existing water rights within one mile of this location. Most of these follow Washboard Wash

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ~2.5 miles east of the pad (Questar pipeline runs north-south).

SOURCE OF CONSTRUCTION MATERIAL: gravel location and approach road; soil stored in berm, the location will be made of natural material borrowed from leveling the pad during construction.

ANCILLARY FACILITIES: none

### WASTE MANAGEMENT PLAN:

Portable toilets; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. All human waste generated at the site will be kept in proper sanitary facilities and disposed of according to local rules. A waste management program has been filed for the 2000 year drilling season, however it is written to cover production and is not sufficient to cover the drilling phase of operations. Extra precautions will be taken due to the proximity of Washboard Wash.

ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: Washboard Wash is possible, 1/4 mile south of the location, however the vegetation and distance from the wash will reduce the effects on the flood plain to near zero.

FLORA/FAUNA: Pinon Juniper Sagebrush, grasses, cactus, birds, lizards, coyotes, rodents, raptors, occasional elk and deer, reptiles.

SOIL TYPE AND CHARACTERISTICS: Moderately-permeable silty soil on Quaternary/Tertiary Pediment Mantle. The soil is composed of decomposed sandstone and shale from the Emery sand sequences and Bluegate shale member of the Mancos formation.

SURFACE FORMATION & CHARACTERISTICS: Quaternary/Tertiary Pediment Mantle overlying the Upper Blue Gate Shale Member of the Mancos Shale. The Emery Sandstone Beds are present in this area, and form a cliff face in the wash where this well is to be placed in the bottom of Washboard Wash.

EROSION/SEDIMENTATION/STABILITY: Stable

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: Dugout, earthen pit, as above.

LINER REQUIREMENTS (Site Ranking Form attached): Synthetic liner is required.

SURFACE RESTORATION/RECLAMATION PLAN

As per State surface agreement.

SURFACE AGREEMENT: Agreement filed with State.

CULTURAL RESOURCES/ARCHAEOLOGY: None observed

OTHER OBSERVATIONS/COMMENTS

This location and access will be part of a series of wells that will use the same route to get down to the Middle Bench above Washboard Wash. In order to lessen the impact of siltation of Washboard Wash care will be taken to rip wrap the location and berm around the top outside edge to slow or stop runoff from the location and access road. This location is not in the best position available from an environmental standpoint, however it greatly lessens the future impact on air quality and the amount of total equipment required for the gas to be lifted out of the canyon bottom, and there is very little impact on the wildlife using this area as there is no vegetation or usable habitat at this site.

ATTACHMENTS:

Photographs taken.

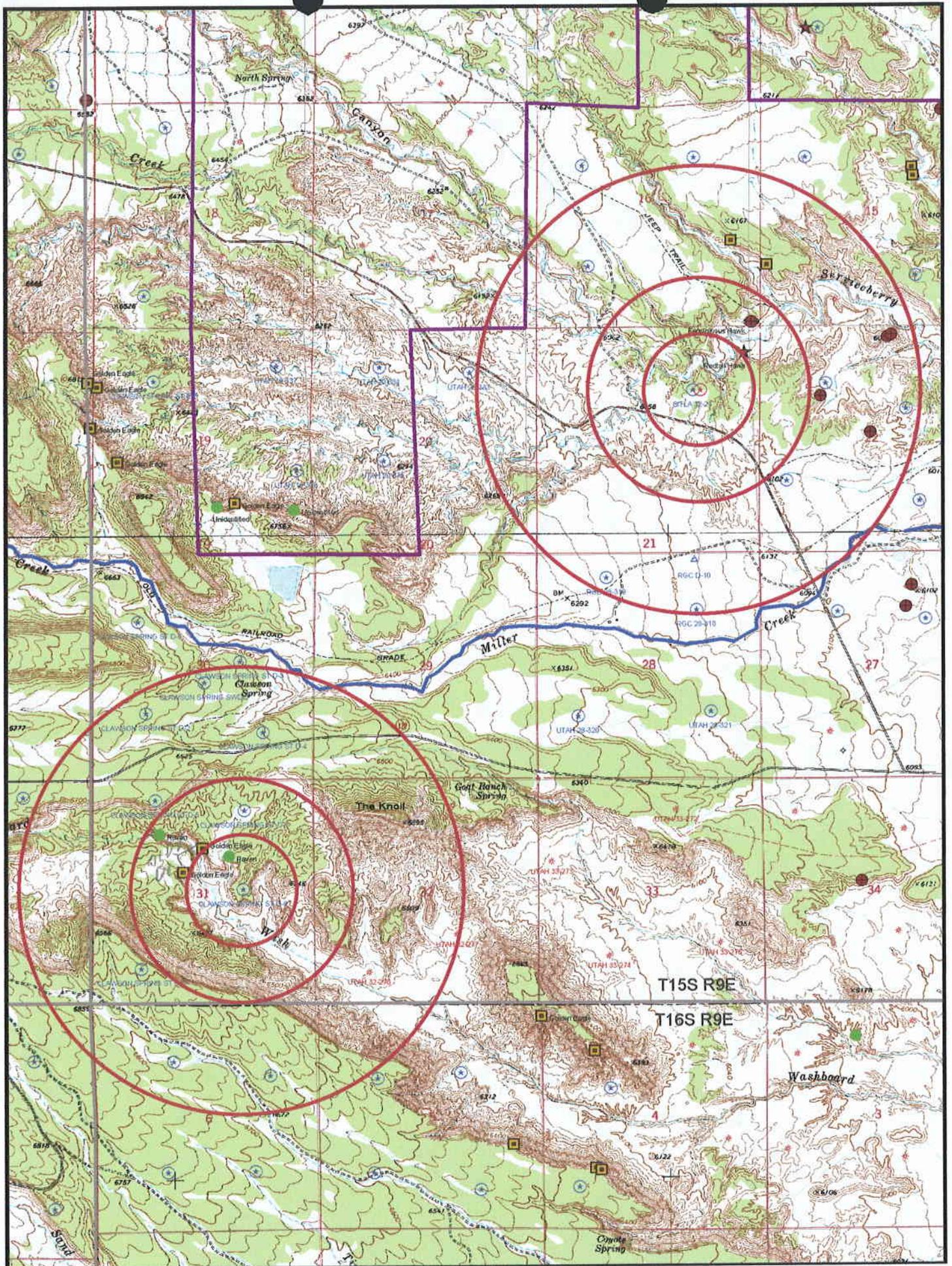
K. Michael Hebertson  
DOGM REPRESENTATIVE

14 / July /2000 11:00 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>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>8</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>15</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid containing significant levels of hazardous constituents	15	
	20	<u>0</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>5</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	<u>0</u>
Present	15	

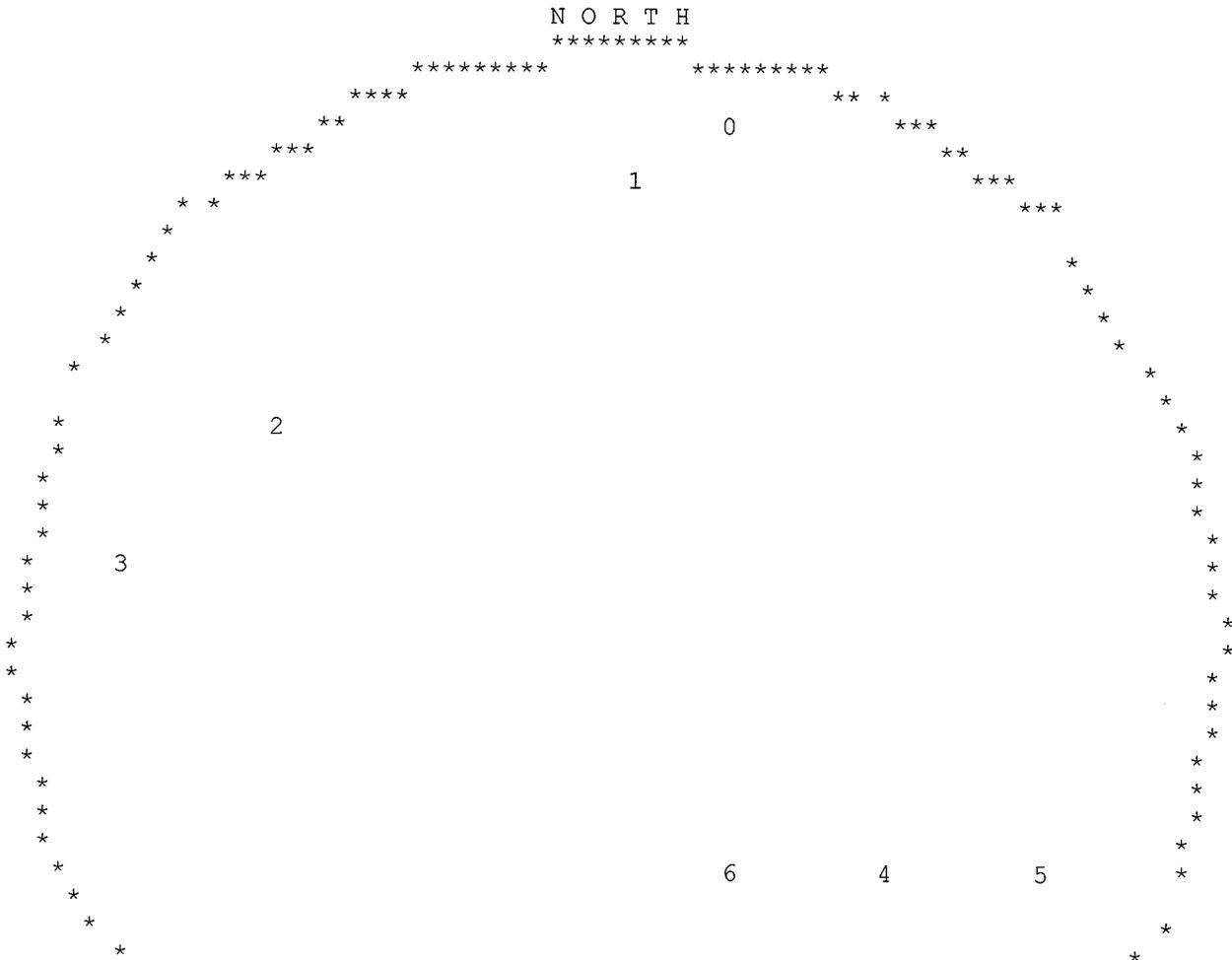
**Final Score**    33    (Level II Sensitivity)



UTAH DIVISION OF WATER RIGHTS  
WATER RIGHT POINT OF DIVERSION PLOT CREATED WED, JUL 12, 2000, 8:53 AM  
PLOT SHOWS LOCATION OF 12 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 5280 FEET FROM A POINT  
N 2660 FEET, W 1671 FEET OF THE SE CORNER,  
SECTION 31 TOWNSHIP 15S RANGE 9E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 2000 FEET





	DuVels Inc.	Professional Building 90 West 100 North	Price	UT 84
2	<u>91 3764</u> .0000 .00 Washboard Wash			
	WATER USE(S): STOCKWATERING		PRIORITY DATE: 00/00/1869	
	State of Utah School & Institutional Tru 675 East 500 South, Suite 500		Salt Lake City	UT 84
3	<u>91 3162</u> .0000 .00 Washboard Wash			
	WATER USE(S): STOCKWATERING		PRIORITY DATE: 00/00/1869	
	State of Utah School & Institutional Tru 675 East 500 South, 5th Floor		Salt Lake City	UT 84
4	<u>91 3164</u> .0000 .00 Washboard Wash			
	WATER USE(S): STOCKWATERING		PRIORITY DATE: 00/00/1869	
	State of Utah School & Institutional Tru 675 East 500 South, 5th Floor		Salt Lake City	UT 84
5	<u>91 3164</u> .0000 .00 Washboard Wash			
	WATER USE(S): STOCKWATERING		PRIORITY DATE: 00/00/1869	
	State of Utah School & Institutional Tru 675 East 500 South, 5th Floor		Salt Lake City	UT 84
6	<u>91 3764</u> .0000 .00 Washboard Wash			
	WATER USE(S): STOCKWATERING		PRIORITY DATE: 00/00/1869	
	State of Utah School & Institutional Tru 675 East 500 South, Suite 500		Salt Lake City	UT 84
7	<u>91 3165</u> .0000 .00 Washboard Wash			
	WATER USE(S): STOCKWATERING		PRIORITY DATE: 00/00/1869	
	State of Utah School & Institutional Tru 675 East 500 South, Suite 500		Salt Lake City	UT 84

---

Well name:	<b>7-00 Anadarko CSS D-8</b>	
Operator:	<b>Anadarko</b>	Project ID:
String type:	Production	43-007-30701
Location:	Carbon County	

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 130 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft

Cement top: 2,828 ft

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.433 psi/ft  
 Calculated BHP 1,696 psi

No backup mud specified.

**Tension:**

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

Non-directional string.

Tension is based on buoyed weight.  
 Neutral point: 3,426 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3920	5.5	15.50	K-55	LT&C	3920	3920	4.825	122.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1696	4040	2.38	1696	4810	2.84	53	239	4.50 J

Prepared RJK  
 by: Utah Dept. of Natural Resources

Date: July 19,2000  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 3920 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

Well name:	<b>7-00 Anadarko CSS D-8</b>		
Operator:	<b>Anadarko</b>		Project ID:
String type:	Surface		43-007-30701
Location:	Carbon County		

**Design parameters:**

**Collapse**

Mud weight: 8.330 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 75 °F  
 Bottom hole temperature: 79 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 300 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 0 psi  
 Internal gradient: 0.433 psi/ft  
 Calculated BHP 130 psi

No backup mud specified.

**Tension:**

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

Tension is based on buoyed weight.  
 Neutral point: 262 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 7,500 ft  
 Next mud weight: 8.330 ppg  
 Next setting BHP: 3,245 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 3,865 ft  
 Injection pressure 3,865 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	300	8.625	24.00	J-55	ST&C	300	300	7.972	14.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	130	1370	10.56	130	2950	22.74	6	244	38.76 J

Prepared RJK  
 by: Utah Dept. of Natural Resources

Date: July 19,2000  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.  
 Collapse is based on a vertical depth of 300 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.  
 Burst strength is not adjusted for tension.

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

7-00 Anadarko CSS D-8

Casing Schematic

Surface

8-5/8"  
MW 8.3  
Frac 19.3

TOC @  
0.

Surface  
300. MD

10%

*Cement TOPS  
with — %  
hole  
washout.*

5-1/2"  
MW 8.3

TOC @  
2827.

Production  
3920. MD

14%



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

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

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

July 19, 2000

Anadarko Petroleum Corporation  
17001 Northchase Dr  
Houston, TX 77060

Re: Clawson Spring State D-8 Well, 2660' FSL, 1671' FEL, NW SE, Sec. 31, T. 15 South,  
R. 9 East, Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted. Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-30701.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Associate Director

er

Enclosures

cc: Carbon County Assessor  
SITLA

**Operator:** Anadarko Petroleum Corporation  
**Well Name & Number** Clawson Spring State D-8  
**API Number:** 43-007-30701  
**Lease:** ML-48226

**Location:** NW SE      **Sec.** 31      **T.** 15 South      **R.** 9 East

### Conditions of Approval

1. **General**

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

2. **Notification Requirements**

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

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

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

- Dan Jarvis at (801) 538-5338
- Robert Krueger at (801) 538-5274 (plugging)
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

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

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

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

SPUDDING INFORMATION

Name of Company: ANADARKO PETROLEUM CORP

Well Name: CLAWSON SPRING ST D-8

Api No. 43-007-30701 LEASE TYPE: STATE

Section 31 Township 15S Range 09E County CARBON

Drilling Contractor BOB BEAMAN DRILLING RIG # 23

SPUDDED:

Date 08/10/2000

Time 3:30 PM

How DRY

Drilling will commence \_\_\_\_\_

Reported by GARY VANCIL

Telephone # 1-435-260-2078

Date 08/11/2000 Signed: CHD

STATE OF UTAH  
 DIVISION OF OIL, GAS AND MINING  
 ENTITY ACTION FORM - FORM 6

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

OPERATOR ACCT. NO. N 0035

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG			
A	99999	12850	43-015-30434	Clawson Spring State C-2	NE	12	16S	8E	Emery	08-17-00	8-17-00
WELL 1 COMMENTS: 8-21-00 <b>CONFIDENTIAL</b>											
A	99999	12851	43-007-30701	Clawson Spring State D-8	SW	31	15S	9E	Carbon	08-17-00	8-17-00
WELL 2 COMMENTS: 8-21-00 <b>CONFIDENTIAL</b>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

**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)

*Andy Davidson*  
 Signature  
 Regulatory Analyst  
 Title  
 Date 08-18-00  
 Phone No. (281) 875-1101



August 18, 2000

CONFIDENTIAL

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

Attention: Lisha Cordova

RE: Sundry Notices  
Carbon/Emery Counties

Gentlemen:

Enclosed, in triplicate, is Form 9, Sundry Notices and Reports on Wells, for the Clawson Spring State Weekly Report of Operations for the following wells in Carbon/Emery Counties.

Clawson Spring State B-2  
Clawson Spring State B-3  
Clawson Spring State C-2  
Clawson Spring State D-5  
Clawson Spring State D-7  
Clawson Spring State D-8  
Clawson Spring State SWD-1

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

Sincerely,

Judy Davidson  
Regulatory Analyst

JD/me  
enclosures

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AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING

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

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:

QQ,Sec., T., R., M.: Sec 31 T15S R09E

County: Carbon/Emery

State: UT

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

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

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <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"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

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

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

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon*   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing  | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                                      | <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"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other: <u>Weekly Report of Operations</u> |   |

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

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

\* Must be accompanied by a cement verification report.

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

Weekly Reports for the following wells (week ending 08-21-00)

- Clawson Spring State B-2
- Clawson Spring State B-3
- Clawson Spring State C-2
- Clawson Spring State D-5
- Clawson Spring State D-7
- Clawson Spring State D-8
- Clawson Spring State SWD-1

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3.

Name & Signature

Title

Judy Davidson  
Regulatory Analyst

Date

08-21-00

(This space for State use only)

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AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING

ANADARKO PETROLEUM CORPORATION  
WELL HISTORY  
ONSHORE - U.S.

CONFIDENTIAL

**CLAWSON SPRINGS D-8**, CLAWSON SPRINGS FIELD, 2660' FSL & 1671' FEL, SEC 31-15S-9E, CARBON CO., UTAH, WI 1.0, NRI 0.875, AFE #20453, ETD 3684', GLE 6419', ELLENBURG RIG #15, API # 43-007-30701

08/18/2000 1893' (1562') **DRILLING**, MW - AIR  
DFS 01 MIRU 8/17/00, NUBOPE, TESTED BOPE TO 250 LOW/ 2000 HIGH, **SPUD NEW HOLE @ 12:30 HRS 8/17/00**, PREVIOUSLY SET 331' OF 8 5/8" 24# CSG AND CMTD W/ 126 SXS CLASS G, LAST SURVEY @ 1880' -1.25<sup>0</sup>  
CC: \$52,055

08/19/2000 3561' (1491') **LOGGING**, MW - AIR  
DFS 02 TD @ 21:30 8/18/00, BLOW HOLE CLEAN, LD HOLE W/ WTR, TOH, LDDP, RUNNING LOGS, LAST SURVEY @ 2835' -1.75<sup>0</sup>  
CC: \$108,446

08/20/2000 3561' (1491') **RELEASED RIG**  
DFS 03 RAN 82 JNTS 5 1/2" 17# N80 CSG, SET @ 3561, CMT W/ 150 SXS CLASS G RFC, MIXED @ 14.2 PPG, PLUG BMPD, FLOATS HELD, ND BOPE, SET SLIPS, CO CSG, **RELEASED RIG @ 13:00 HRS 8/19/00, TEMPORARILY DROP FROM REPORT, SI WO COMPL.**  
CC: \$118,378

RECEIVED

AUG 22 2000

DIVISION OF  
OIL, GAS AND MINING

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

CONFIDENTIAL  
AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-48226

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
Clawson Spring State D-8

9. API NUMBER:  
43-007-30701

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER CBM

2. NAME OF OPERATOR  
Anadarko Petroleum Corporation

3. ADDRESS OF OPERATOR  
17001 Northchase Drive, Houston, Texas 77060

PHONE NUMBER:  
281-875-1101

10. FIELD AND POOL, OR WILDCAT  
CBM

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
2660' FSL & 1671' FEL, SE Sec. 31, T15S, R9E  
AT TOP PRODUCING INTERVAL REPORTED BELOW:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
SE Sec. 31, T15S, R9E

12. COUNTY  
CARBON

13. STATE  
UTAH

14. DATE SPUDDED: 8/17/00

15. DATE T.D. REACHED: 8/18/00

16. DATE COMPLETED: 3/8/01

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
6419' GL

18. TOTAL DEPTH: MD 3561' TVD SAME

19. PLUG, BACK T.D.: MD 3515 TVD SAME

20. IF MULTIPLE COMPLETIONS, HOW MANY?

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
UGR/NEU/DEN/CAL - 4-24-01

23. WAS WELL CORED? NO  YES  (Submit analysis)  
Drill System Test NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
11"	8 5/8" J55	24#		331'		126sx "G"	26	Surface	
7 7/8"	5 1/2" K55	15.5#		3561'		150sx "G"	43	2280'	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	3287'							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
Ferron	3104'	3226'			3136-3237'	.66"	192	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/> Open <input type="checkbox"/> Squeezed <input type="checkbox"/> Open <input type="checkbox"/> Squeezed <input type="checkbox"/> Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3136' - 3237'	520M # 16/30 SD

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

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:

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APR 2 2001

31. INITIAL PRODUCTION

INTERVAL A (As shown in item)

DATE FIRST PRODUCED: 3/8/01		TEST DATE: 3/5/01		HOURS TESTED: 24		TEST PRODUCTION RATES:	OIL - BBL:	GAS - MCF: 0	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS. 205	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES:	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Ferron	3104'	3226'	Gas Bearing		

34. FORMATION (Log) MARKERS:

35. ADDITIONAL REMARKS (Include plugging procedure)

LOGS ALREADY ON FILE

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

NAME (PLEASE PRINT) Joe Bates TITLE Operations Analyst  
 SIGNATURE *Joe Bates* DATE 3/30/01

This report must be submitted within 30 days of

- ! completing or plugging a new well
- ! drilling horizontal laterals from an existing well bore
- ! reentering a previously plugged and abandoned well
- ! significantly deepening an existing well bore below the previous bottom-hole depth
- ! recompleting to a different producing formation
- ! drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from tow or more formations.

\*\*ITEM24: Cement Top-Show how reported top(s) of cement were determined (circulated(CIR), calculated(CAL), cement bond log(CBL), temperature survey(TS))

Sent to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940



April 23, 2001

Ms. Carol Daniels  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114-5801

CONFIDENTIAL

Dear Ms. Daniels:

Please find enclosed 2 copies of logs for the wells listed below. We apologize for any inconvenience this may have caused by sending in the forms 3160-4 without the logs. To keep this from happening again in the future, we have placed the State on automatic distribution with our service companies. Should you require any additional information, please contact me at 281-874-3441.

**Clawson Spring State: A2, A3, A4, B1, B2, B3, B5, B6, B7, B8, B9, C2, C3, D5, D6, D7, D8, E1, E2, E3, E4, E5, E6, E7, E8, G1, G2, IPA-1**  
**Potter Et Al 1**  
**Potter Et Al 2**

*T15.5 ROGE Sec 31  
43-007-30701*

Sincerely,  
ANADARKO PETROLEUM CORPORATION

A handwritten signature in black ink, appearing to read "J Berlin".

Jennifer Berlin  
Environmental Regulatory Analyst

Enclosures

RECEIVED

APR 24 2001

DIVISION OF  
OIL, GAS AND MINING

**Carol Daniels - Daily Report from Anadarko 05/16/2002**

---

**From:** Sherri Prentice <sherri\_prentice@anadarko.COM>  
**To:** "cdaniels@state.ut.us" <cdaniels@state.ut.us>  
**Date:** 05/16/2002 1:20 PM  
**Subject:** Daily Report from Anadarko 05/16/2002

---

**CLAWSON SPRING STATE D-8**

DRUNKARDS WASH, 2660' FSL & 1671' FEL OF SEC. 31, T15S, R9E, CARBON, UTAH, AFE NONE, ETD 0',  
GLE 6419', (FERRON COAL), POOL, API 43-007-30701

05/16/2002 MD 0', **MIRU - SDFN**  
MIRU POOH W/ RODS & PUMP,  
CC \$6,568

05/15/2002 **Data is not available at the time of transmission.**

05/14/2002 **WELL EVENT NOT STARTED.**

05/13/2002 **WELL EVENT NOT STARTED.**

05/12/2002 **WELL EVENT NOT STARTED.**

05/11/2002 **WELL EVENT NOT STARTED.**

05/10/2002 **WELL EVENT NOT STARTED.**

**Carol Daniels - Daily Report from Anadarko 05/17/2002**

---

**From:** Sherri Prentice <sherri\_prentice@anadarko.COM>  
**To:** "cdaniels@state.ut.us" <cdaniels@state.ut.us>  
**Date:** 05/17/2002 9:34 AM  
**Subject:** Daily Report from Anadarko 05/17/2002

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**CLAWSON SPRING STATE D-8**

DRUNKARDS WASH, 2660' FSL & 1671' FEL OF SEC. 31, T15S, R9E, CARBON, UTAH, AFE NONE, ETD 0', GLE 6419', (FERRON COAL), POOL, API 43-007-30701

05/17/2002 MD 0', **BLEED PRESS. OFF WELL RIH W/ PROD TBG. TESTING TO 1,000#**  
BLEED PRESS. OFF WELL RIH W/ PROD. TBG. TESTING TO 1,000#,  
CC \$12,094

05/16/2002 MD 0', **MIRU - SDFN**  
MIRU POOH W/ RODS & PUMP,  
CC \$6,568

05/15/2002 **Data is not available at the time of transmission.**

05/14/2002 **WELL EVENT NOT STARTED.**

05/13/2002 **WELL EVENT NOT STARTED.**

05/12/2002 **WELL EVENT NOT STARTED.**

05/11/2002 **WELL EVENT NOT STARTED.**

**From:** Penny Gibson <penny\_gibson@anadarko.COM>  
**To:** "caroldaniels@utah.gov" <caroldaniels@utah.gov>  
**Date:** 10/28/03 9:32AM  
**Subject:** Daily Report from Anadarko 10/28/2003

**Anadarko Confidentiality Notice:**

This electronic transmission and any attached documents or other writings are intended only for the person or entity to which it is addressed and may contain information that is privileged, confidential or otherwise protected from disclosure. If you have received this communication in error, please immediately notify sender by return e-mail and destroy the communication. Any disclosure, copying, distribution or the taking of any action concerning the contents of this communication or any attachments by anyone other than the named recipient is strictly prohibited.

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**ANADARKO Daily Drilling Summary**

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**CLAWSON SPRING STATE D-8**

DRUNKARDS WASH, 2660' FSL & 1671' FEL OF SEC. 31, T15S, R9E, CARBON, UTAH, AFE NONE, ETD 0', GLE 6419', (FERRON COAL), API 43-007-30701

10/28/2003 MD 3561', **CHEMICAL SQUEEZE - SHUT IN FOR 24 HRS**  
PUMPED 2 BBL'S GYPTRON T-149 W/ 10 BBL'S WATER, THEN CHASED W/ 270  
BBL PROD WATER. PUMPED EASY. LEFT WELL SHUT IN FOR 24 HOURS. ,  
CC \$2,098

10/27/2003 **Data is not available at the time of transmission.**

10/26/2003 **WELL EVENT NOT STARTED.**

10/25/2003 **WELL EVENT NOT STARTED.**

10/24/2003 **WELL EVENT NOT STARTED.**

10/23/2003 **WELL EVENT NOT STARTED.**

10/22/2003 **WELL EVENT NOT STARTED.**

**CLAWSON SPRING STATE D-8**

DRUNKARDS WASH, 2660' FSL & 1671' FEL OF SEC. 31, T15S, R9E, CARBON, UTAH, AFE NONE, ETD 0', GLE 6419', (FERRON COAL), RIG # 278, API 43-007-30701

- 11/26/2003 MD 0', **MIRU, CHG PR, LINER & PUMP, TEST WELL, PREP TO MOVE HF # G-5**  
MIRU, CHG PR, PR LINER, PUMP, RIH, START WELL PUMPING, PREP TO MOVE TO HF # G-5,  
CC \$6,224
- 11/25/2003 **Data is not available at the time of transmission.**
- 11/24/2003 **WELL EVENT NOT STARTED.**
- 11/23/2003 **WELL EVENT NOT STARTED.**
- 11/22/2003 **WELL EVENT NOT STARTED.**
- 11/21/2003 **WELL EVENT NOT STARTED.**
- 11/20/2003 **WELL EVENT NOT STARTED.**

**CLAWSON SPRING STATE D-8**

*TLS RO9E S-31  
43-009-30901*

- 02/21/2005 **Data is not available at the time of transmission.**
- 02/20/2005 **Data is not available at the time of transmission.**
- 02/19/2005 **Data is not available at the time of transmission.**
- 02/18/2005 **MD 0', PREP TO LOG TBG**  
MIRU, TEST TBG, WOULDN'T FILL, POOH W/ RODS & PUMP, CHG EQUIP TO  
TBG, RELEASE TA/C, TAG FILL, SDFWE,  
CC \$4,348
- 02/17/2005 **WELL EVENT NOT STARTED.**
- 02/16/2005 **WELL EVENT NOT STARTED.**
- 02/15/2005 **WELL EVENT NOT STARTED.**

**CLAWSON SPRING STATE D-8**

DRUNKARDS WASH, 2660' FSL & 1671' FEL OF SEC. 31, T15S, R9E, CARBON, UTAH, AFE NONE, ETD 0', GLE 6419', (FERRON COAL), API 43-007-30701

- 02/22/2005 MD 0', **PREP TO MOVE TO HELPER STATE # A-4**  
LOG TBG, 67 BAD JTS, CHG BHA, RIH W/ PROD TBG, RUN NEW PUMP & RODS, INSTALLING GUIDES, START WELL PUMPING, RDMO, CC \$31,682
- 02/21/2005 **Data is not available at the time of transmission.**
- 02/20/2005 **Data is not available at the time of transmission.**
- 02/19/2005 **Data is not available at the time of transmission.**
- 02/18/2005 MD 0', **PREP TO LOG TBG**  
MIRU, TEST TBG, WOULDN'T FILL, POOH W/ RODS & PUMP, CHG EQUIP TO TBG, RELEASE TA/C, TAG FILL, SDFWE, CC \$4,348
- 02/17/2005 **WELL EVENT NOT STARTED.**
- 02/16/2005 **WELL EVENT NOT STARTED.**

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
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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.

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

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> (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"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____	<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

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

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

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 <i>Jaime Scharnowske</i>	DATE <u>4/8/2013</u>

(This space for State use only)

**APPROVED**

**APR 11 2013**

*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	SENE	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	SENE	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