



July 31, 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, Utah.

Clawson Spring State, Wells B-6, H-1, H-2, IPA-1, IPA-2, J-1
Pierucci 1 and Potter etal 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

RECEIVED

AUG 02 2000

DIVISION OF
OIL, GAS AND MINING

**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. <i>Free</i>	
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 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 IPA-2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1123 FNL 1007 FEL, NE Section 15, T16S R8E <i>4364938 N 499537E</i> At proposed prod. zone 1123 FNL 1007 FEL, NE Section 15, T16S R8E		9. API WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE. 0		10. FIELD AND POOL OR WILDCAT Clawson Spring CBM	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1007'		11. SEC. T,R,M. OR BLK. AND SURVEY OR AREA Section 15, T16S R8E	
16. NO. OF ACRES IN LEASE		12. COUNTY Emery	
17. NO. OF ACRES ASSIGNED TO THIS WELL. 160		13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE. FT. 1800'		19. PROPOSED DEPTH 4620'	
20. ROTARY OR CABLE TOOLS Rotary		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7168' GL	
22. APPROX. DATE WORK WILL START. 08/01/2000		23. PROPOSED CASING AND CEMENTING PROGRAM	
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4"	8 5/8" J-55	24#	300'
7-7/8"	5-1/2" N80	17#	4620
			QUANTITY OF CEMENT
			200 cu. ft.
			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: Inter-Mountain Power Agency
Department of Water & Power
480 East 6400 South
Murray, UT 84107

Water Source: City of Price

✓ Utah Oil & Gas Lease Bond 224351
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 07/31/2000

(This space for State office use)

PERMIT NO. 43015-30469 APPROVAL DATE _____

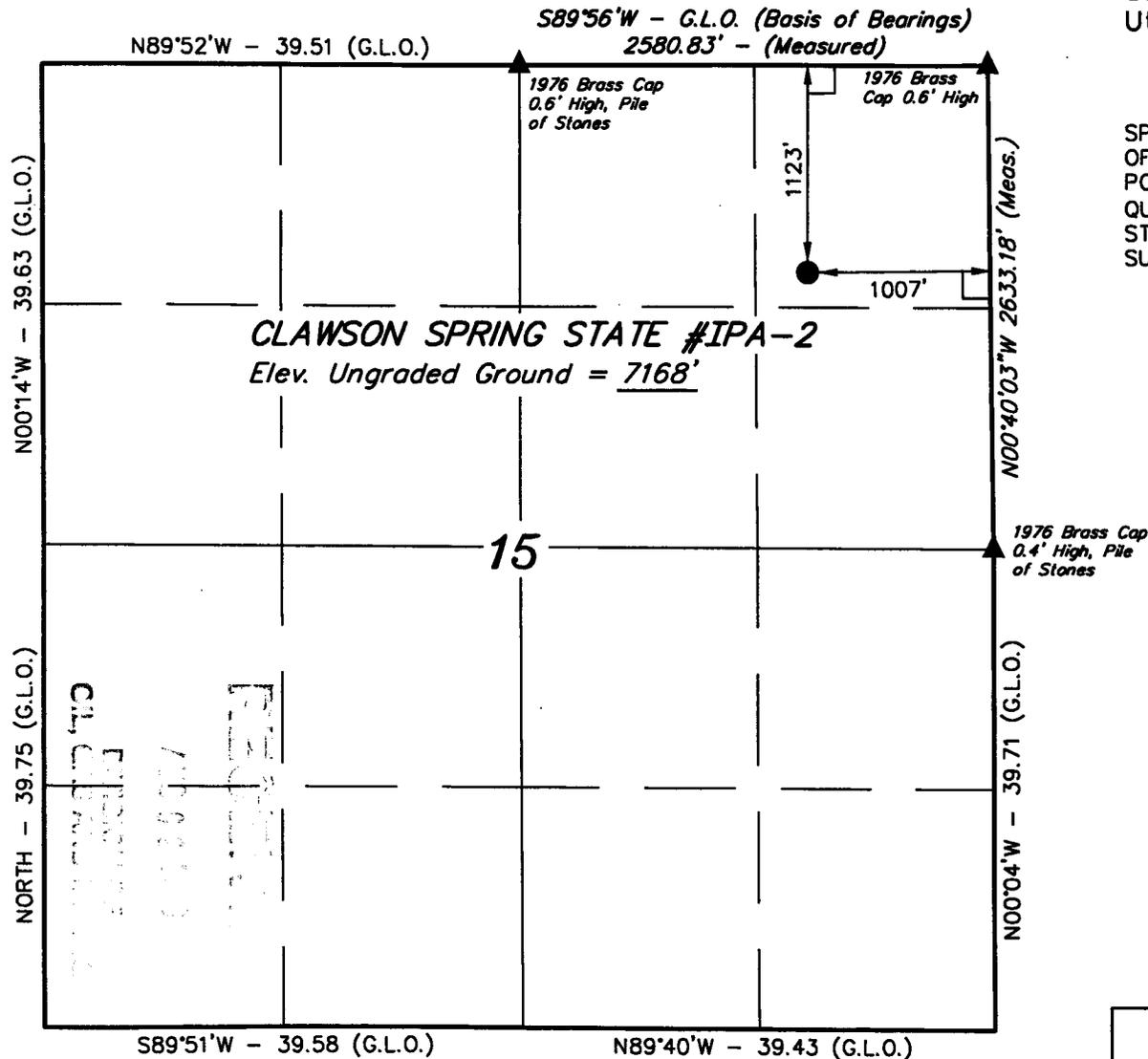
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL IF ANY:

APPROVED BY *Bradley G. Hill* TITLE BRADLEY G. HILL RECLAMATION SPECIALIST III DATE 10/30/00

See Instructions On Reverse Side

T16S, R10E, S.L.B.&M.

8E *Confirmed 8/3/2000*

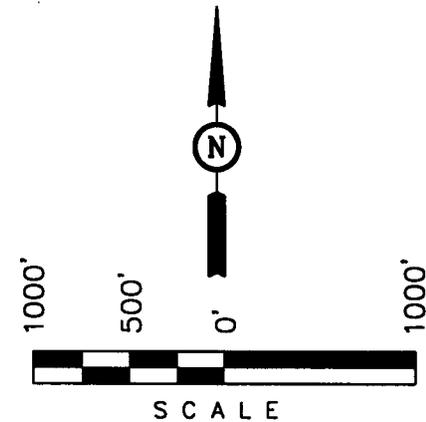


ANADARKO PETROLEUM CORP.

Well location, CLAWSON SPRING STATE #IPA-2, located shown in the NE 1/4 NE 1/4 of Section 15, T16S, R10E, S.L.B.&M. Emery County, Utah. *8E*

BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP LOCATED IN THE SW 1/4 OF SECTION 19, T16S, R9E, S.L.B.&M. TAKEN FROM THE POISON SPRING BENCH QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6562 FEET.



CERTIFICATE

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

Robert J. Gray

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

LEGEND:

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

LATITUDE = 39°26'09"
LONGITUDE = 111°00'20"

SCALE 1" = 1000'	DATE SURVEYED: 6-30-00	DATE DRAWN: 7-12-00
PARTY D.L.K. E.O. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE ANADARKO PETROLEUM CORP.	

OPERATING AGENT FOR IPA IN CARBON/EMERY AREA LAND HOLDINGS:

BILL ENGELS
111 N HOPE ST
RM 1263
LOS ANGELES CA 90012
(213)367-0289

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

Company: Anadarko Petroleum Corporation

Well: **Clawson Spring State IPA-2**

Location: 1123 FNL& 1007 FEL
T16S R8E Sec.15
Emery County, Utah

Lease: 0

Surface Elevation: 7168

A. Estimated Tops of Important Geologic Markers:

<u>GEOLOGIC MARKER</u>	<u>DEPTH</u>
Emery	Surface
Bluegate Shale	2833
Ferron SS Member	3933
Ferron Coal Top	3958
Base of Ferron Coal	4108
Tununk Shale	4168

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: 3933 - 4108.

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.

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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.

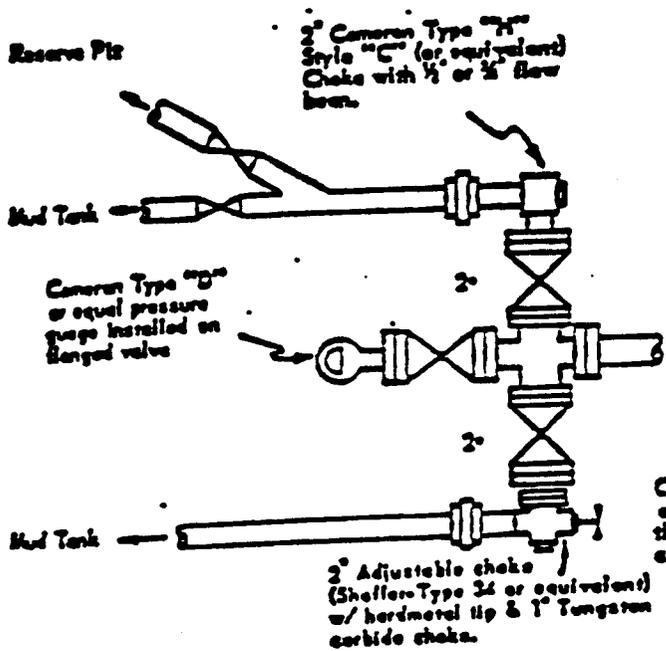
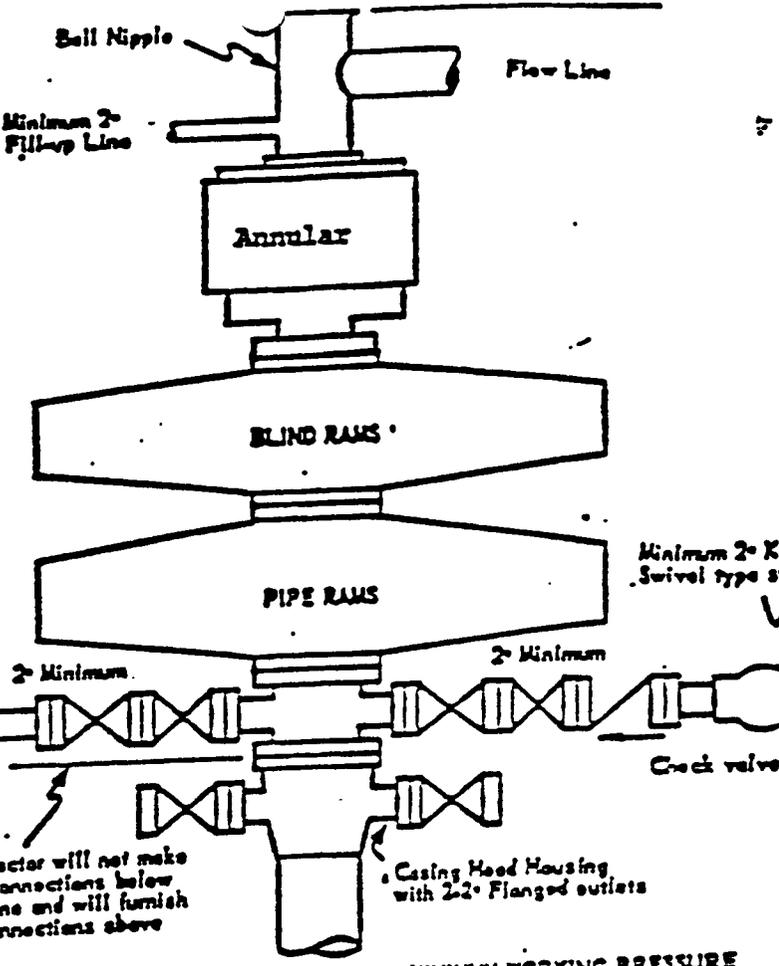
G. Coring, Logging, and Testing Program:

- 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.

Minimum, 6 inches



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

MINIMUM WORKING PRESSURE



MINIMUM BLOWOUT PREVENTER
REQUIREMENTS - NORMAL
PRESSURE SERVICE

REGULATORY

1/13/92

DIVISION OF
OIL, GAS AND MINING

ANADARKO PETROLEUM CORP.
CLAWSON SPRING STATE #IPA-2
 LOCATED IN EMERY COUNTY, UTAH
 SECTION 15, T16S, R8E, S.L.B.&M.



PHOTO: VIEW FROM PIT "A" TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: SOUTHWESTERLY



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

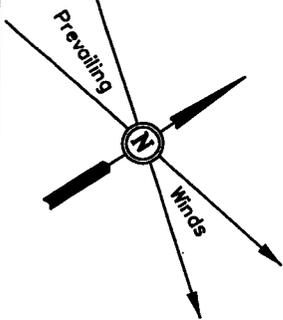
LOCATION PHOTOS			7	19	00	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: D.K.		DRAWN BY: J.L.G.		REVISED: 00-00-00		

- Since 1964 -

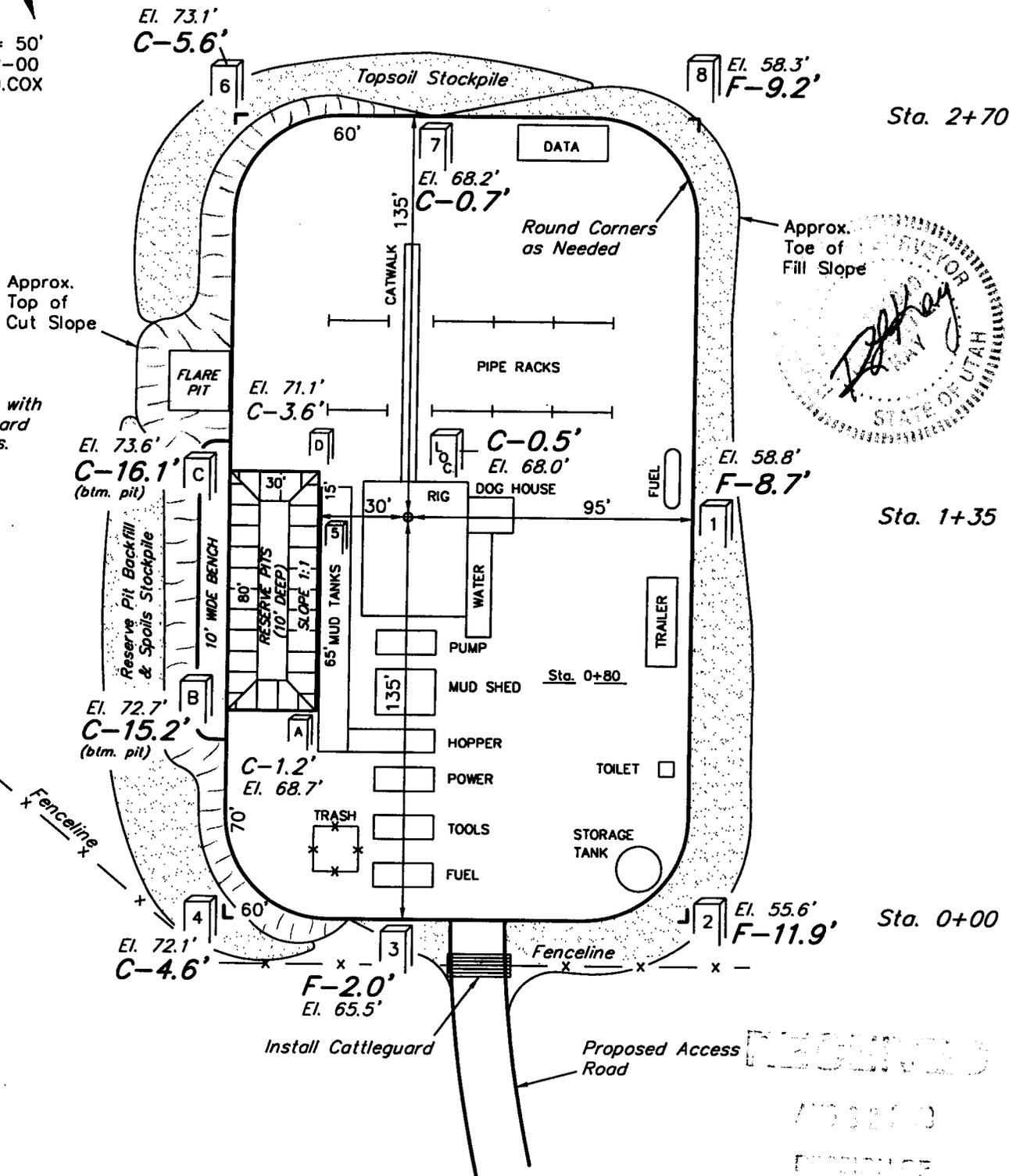
ANADARKO PETROLEUM CORP.

LOCATION LAYOUT FOR

CLAWSON SPRING STATE #IPA-2
SECTION 15, T16S, R10E, S.L.B.&M.
1123' FNL 1007' FEL



SCALE: 1" = 50'
DATE: 7-12-00
Drawn By: D.COX



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

ELEV. UNGRADED GROUND AT LOC. STAKE = 7168.0'
ELEV. GRADED GROUND AT LOC. STAKE = 7167.5'

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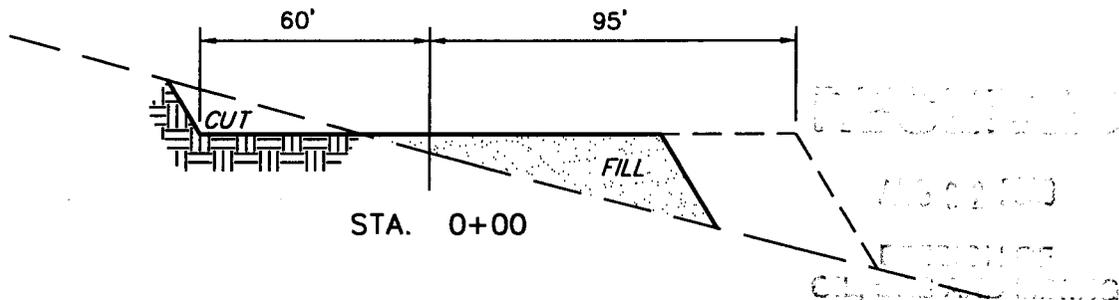
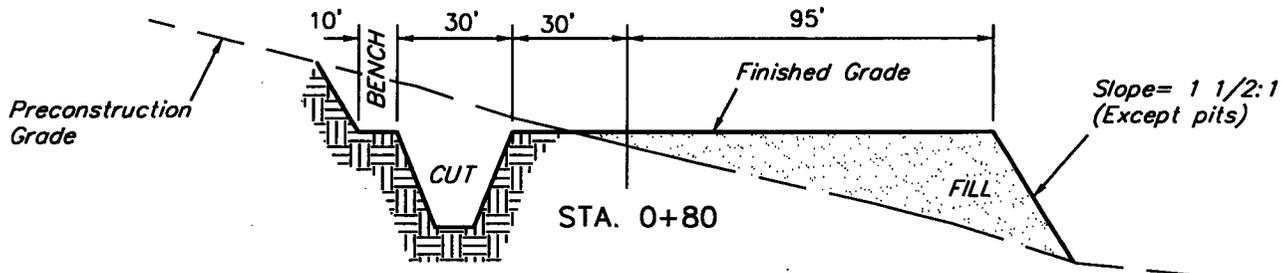
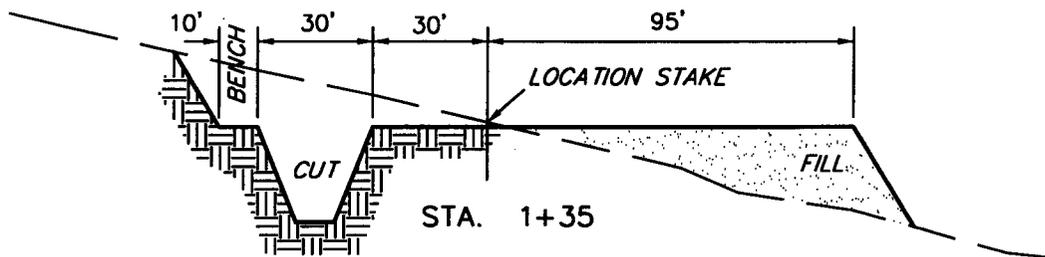
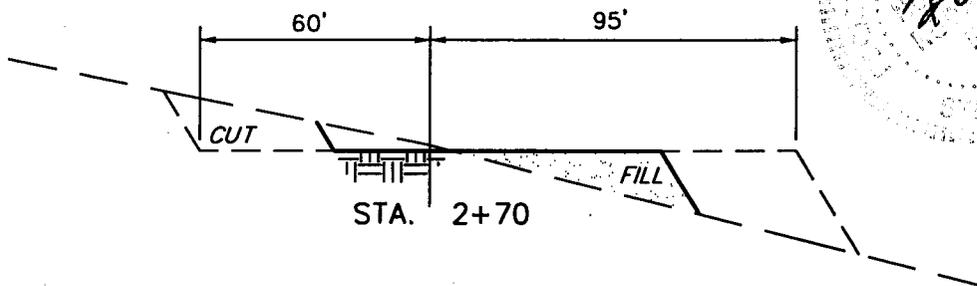
ANADARKO PETROLEUM CORP.

TYPICAL CROSS SECTIONS FOR

CLAWSON SPRING STATE #IPA-2
SECTION 15, T16S, R10E, S.L.B.&M.
1123' FNL 1007' FEL

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

DATE: 7-12-00
Drawn By: D.COX

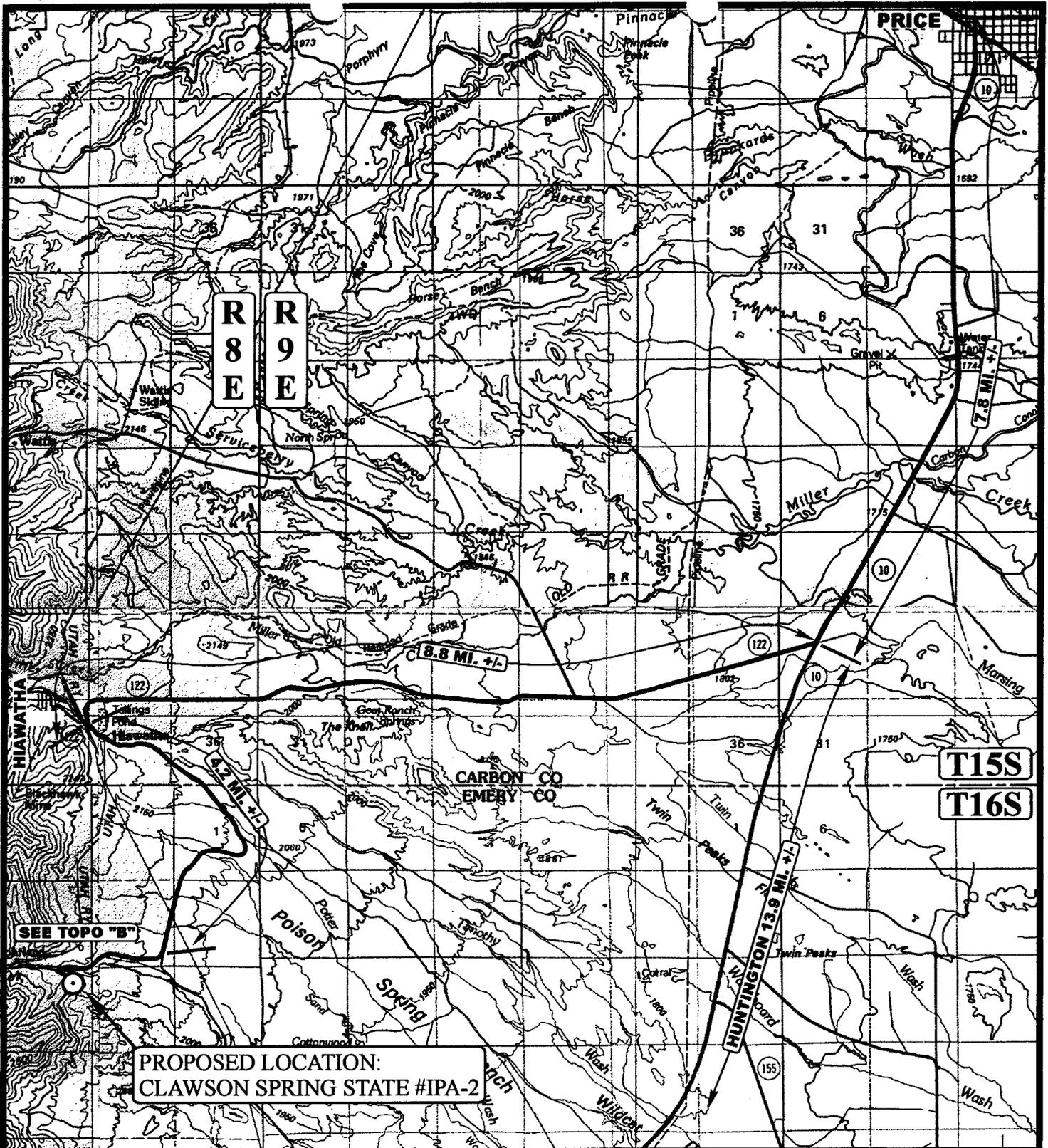


APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 800 Cu. Yds.
Remaining Location	= 3,130 Cu. Yds.
TOTAL CUT	= 3,930 CU.YDS.
FILL	= 1,750 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,090 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,070 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 1,020 Cu. Yds.

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PROPOSED LOCATION:
CLAWSON SPRING STATE #IPA-2

LEGEND:

○ PROPOSED LOCATION

ANADARKO PETROLEUM CORP.

CLAWSON SPRING STATE #IPA-2
SECTION 15, T16S, R8E, S.L.B.&M.
1123' FNL 1007' FEL

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



TOPOGRAPHIC MAP
7 MONTH 19 DAY 00 YEAR
SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00



R
8
E

HWY 10 13.0 MI. +/-
PRICE 20.8 MI. +/-
HUNTINGTON 26.9 MI. +/-

1.4 MI. +/-

PROPOSED ACCESS
FOR #C-4 0.4 MI. +/-

PROPOSED
ACCESS 0.1 MI. +/-

PROPOSED LOCATION:
CLAWSON SPRING STATE #IPA-2

#C-4

T16S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD

ANADARKO PETROLEUM CORP.

CLAWSON SPRING STATE #IPA-2
SECTION 15, T16S, R8E, S.L.B.&M.
1123' FNL 1007' FEL



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

TOPOGRAPHIC
MAP

7 19 00
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/02/2000

API NO. ASSIGNED: 43-015-30469

WELL NAME: CLAWSON SPRING ST IPA-2
 OPERATOR: ANADARKO PETROLEUM CORP (N0035)
 CONTACT: JUDY DAVIDSON

PHONE NUMBER: 281-875-1101

PROPOSED LOCATION:

NENE 15 160S 080E
 SURFACE: 1123 FNL 1007 FEL
 BOTTOM: 1123 FNL 1007 FEL
 EMERY
 UNDESIGNATED (2)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	RJK	10-11-00
Geology		
Surface		

LEASE TYPE: 4-Fee
 LEASE NUMBER: Fee
 SURFACE OWNER: 4-Fee

PROPOSED FORMATION: FRSD

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[4] (No. 224351)
- 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: 2431 (160')
 - Eff Date: 10-13-98
 - Siting: 600' fr. Dir. Unit Boundary & 1320' between wells.
- R649-3-11. Directional Drill

COMMENTS: Need Presite. (Conducted 10-6-2000)

STIPULATIONS: ① STATEMENT OF BASIS



Utah Oil Gas and Mining

OPERATOR: ANADARKO PETRO CORP (N0035)

FIELD: UNDESIGNATED (002)

SEC. 10 & 15, T16S, R8E,

COUNTY: EMERY SPACING: CAUSE 243-1/160'

	T16S R8E		
	9	10	11
		UTAH 10-415	CLAWSON SPRING ST B-6
			CLAWSON SPRING ST B-8
		CLAWSON SPRING ST IPA-1	CLAWSON SPRING ST B-7
			CLAWSON SPRING ST B-9
	16	15	14
		CLAWSON SPRING ST IPA-2	CLAWSON SPRING ST C-6
			CLAWSON SPRING ST C-4
		CAUSE 243-1/160' (10-13-1998)	CLAWSON SPRING ST C-5
	21	22	23
		CLAWSON SPRING ST C-12	CLAWSON SPRING ST C-15
			CLAWSON SPRING ST C-13
		CLAWSON SPRING ST C-11	CLAWSON SPRING ST C-14

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

OPERATOR: Anadarko Petroleum Corporation
WELL NAME & NUMBER: Clawson Springs State IPA-2
API NUMBER: 43-015-30469 LEASE: Fee FIELD/UNIT: Clawson Spring
LOCATION: 1/4, 1/4 NE NE Sec: 15 TWP: 16 S RNG: 8 E 1123 FNL 1007 FEL
LEGAL WELL SITING: 460' From a Unit Boundary and/or uncommitted tracts.
GPS COORD (UTM): X =499,537 E; Y =4,364,938 N SURFACE OWNER: IPA

PARTICIPANTS

C. Kierst & M. Hebertson (DOGGM), Jim Hartley (Anadarko), Robert Kaye (UELS), Val Payne (Emery County),

REGIONAL/LOCAL SETTING & TOPOGRAPHY

Western margin of Colorado Plateau/~1.25 miles east of the foot of the Wasatch Plateau. ~1.5 miles southeast of Hiawatha, UT and 1/2 miles south of the Cedar Creek on the Burma Road. Cedar Creek is active all year and is the source of several springs and seeps which provide water all of the time. Water from the Creek eventually reaches the Price River about 17 miles down stream.

SURFACE USE PLAN

CURRENT SURFACE USE: Grazing and wildlife habitat.

PROPOSED SURFACE DISTURBANCE: 270' X 155' pad with 30' X 80' X 10' attached pit. ~ 1/2 mile of new access road is required and upgrading of 1/2 miles of existing road.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: There are 5 approved APD status wells and 0 CBM production locations.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: Buried power line and gathering system will follow the approach road. Production facilities include a pumpjack, separator enclosure, casing and tubing strings, well head, telemetry equipment and transformer.

SOURCE OF CONSTRUCTION MATERIAL: Gravel location and approach road; soil stored in berm.

ANCILLARY FACILITIES: none

WASTE MANAGEMENT PLAN:

Portable chemical toilets which will be emptied into the municipal waste treatment system; garbage cans on location will be emptied into centralized dumpsters which will be emptied into an approved landfill. No crude oil is expected to be produced. Drilling fluid, completion / frac fluid and cuttings will be buried in the pit after evaporation and slashing the pit liner. Produced water will be gathered at a central disposal facility and injected into the Navajo Sandstone via a salt water disposal well. Used oil from drilling operations and support is hauled to a used oil re-cycler and re-used.

ENVIRONMENTAL PARAMETER

AFFECTED FLOOD PLAINS AND/OR WETLANDS: None - The area is drained by Cedar Creek which eventually drains into the Price River ~17.5 miles to the east.

FLORA/FAUNA: Pinyon, juniper / birds, lizards, coyotes, rodents, raptors, elk and deer critical winter range, reptiles.

SOIL TYPE AND CHARACTERISTICS: Sandy, silty, moderately-permeable soil developed on Quaternary / Tertiary Pediment Mantle covering the Blue Gate Member of the Mancos Shale. The soil classification is (GP-SM-ML)

SURFACE FORMATION & CHARACTERISTICS: Quaternary / Tertiary Pediment Mantle over the upper portion of the Blue Gate Member (above the Emery Sandstone Member) of Mancos Shale, light gray, bentonitic shale and sandstone ledges.

EROSION/SEDIMENTATION/STABILITY: Stable.

PALEONTOLOGICAL POTENTIAL: None observed.

RESERVE PIT

CHARACTERISTICS: Dugout, earthen pit.

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

SURFACE RESTORATION/RECLAMATION PLAN

See Surface Agreement. Fee Lease

SURFACE AGREEMENT: Fee, A Surface Agreement is being negotiated.

CULTURAL RESOURCES/ARCHAEOLOGY: Archaeological survey is not required

OTHER OBSERVATIONS/COMMENTS

There was a short discussion on the nature of lease and surface ownership and the withdrawal of two APD's that were previously approved. We were assured that the company would do a better job and that they had caught the problem and would not have proceeded. Paint color seemed to be an issue for this location and the color being chosen so as to match the vegetation.

ATTACHMENTS:

4 photographs taken.

K. Michael Hebertson
DOGM REPRESENTATIVE

6/October/2000 / 2:30 PM
DATE/TIME

ENVIRONMENTAL PARAMETER

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SURFACE RESTORATION/RECLAMATION PLAN

See SITLA Surface Agreement.

SURFACE AGREEMENT: SITLA Surface Agreement.

CULTURAL RESOURCES/ARCHAEOLOGY: Archaeological survey completed and filed with the state.

OTHER OBSERVATIONS/COMMENTS

There was a short discussion on the nature of lease and surface ownership and the withdrawal of two APD's that were previously approved. We were assured that the company would do a better job and that they had caught the problem and would not have proceeded. Paint color seemed to be an issue for this location and the color being chosen so as to match the vegetation.

ATTACHMENTS:

4 photographs taken.

K. Michael Hebertson
DOGM REPRESENTATIVE

6/October/2000 / 2:30 PM
DATE/TIME

**Evaluation Ranking Criteria and Ranking System
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>2</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Based Mud	15	
Fluid containing significant levels of hazardous constituents	20	<u>3</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	
Present	15	<u>5</u>

Final Score 25 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.



6 3:04 PM

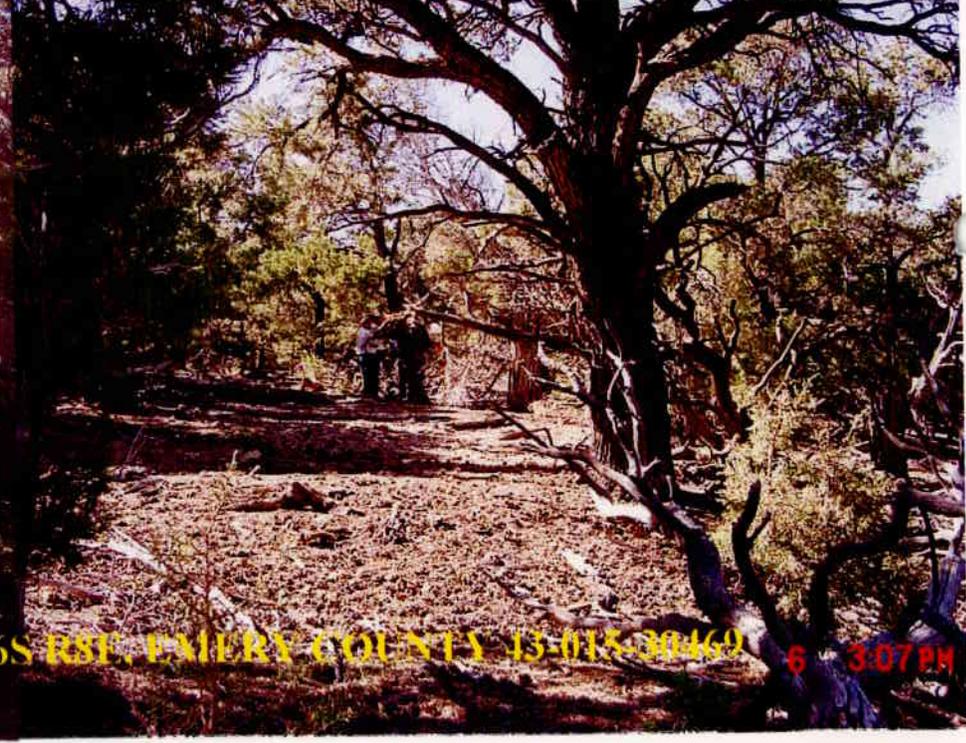


6 3:06 PM



CLAWSON SPRING STATE IPA-2 SEC. 15, T16S R5E, EMERY COUNTY 43-015-30469

6 3:08 PM



6 3:07 PM

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

Operator Name: Anadarko Petroleum Corporation

Name & Number: Clawson Spring State IPA-2

API Number: 43-015-30469

Location: 1/4,1/4 NE NE Sec. 15 T. 16 S R. 8 E County: Emery

Geology/Ground Water:

There are no aquifers with high quality ground water is expected to be encountered. As a portion of the review process for this location a search of the Division of Water Rights records was conducted. The results of this search indicate that there are 10 points of diversion to the north and east of this location which present a stock water resource that is used all year, however they will not be impacted. A moderately - permeable soil is developed on the Quaternary / Tertiary Pediment Mantle covering the Blue Gate Member of the Mancos Shale. The Emery Sandstone Member of the Mancos Shale may be present at this location and may contain a minor water resource. The proposed surface casing and cementing program should be sufficient to ensure the protection of the ground water resources.

Reviewer: K. Michael Hebertson

Date: 6/October/2000

Surface:

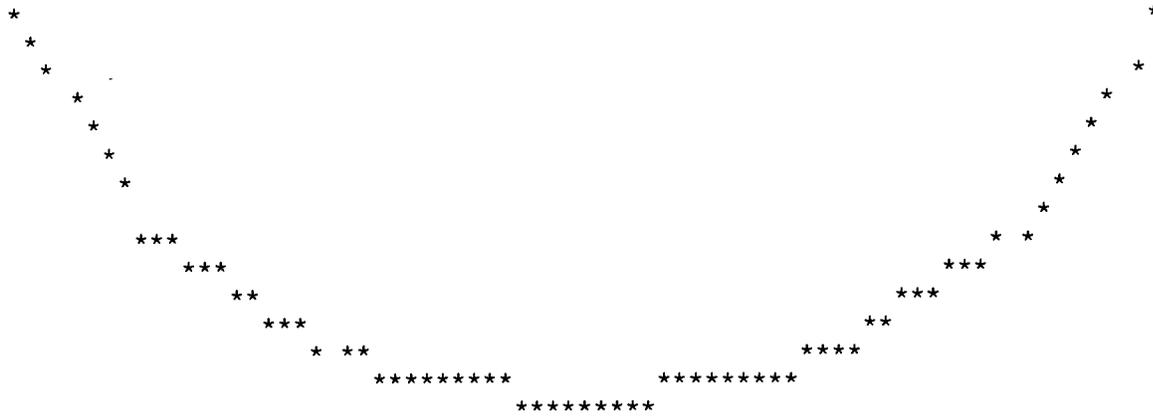
The nearest moving surface waters are in Cedar Creek 1/2 mile north. Precipitation will be deflected around the location with berms and culverts. There are no nearby culinary or irrigation water supply wells. The site was photographed and characterized on 6/Oct/2000. Provision was made to ensure site rehabilitation, litter and waste control, preservation of drainage patterns and the integrity of local infrastructure, groundwater and other resources. The well utilities and gas gathering system will follow the approach roadway. Representatives from Wildlife and SITLA were invited to attend the on-site and elected not to attend.

Reviewer: K. Michael Hebertson

Date: 6/October/2000

Conditions of Approval/Application for Permit to Drill:

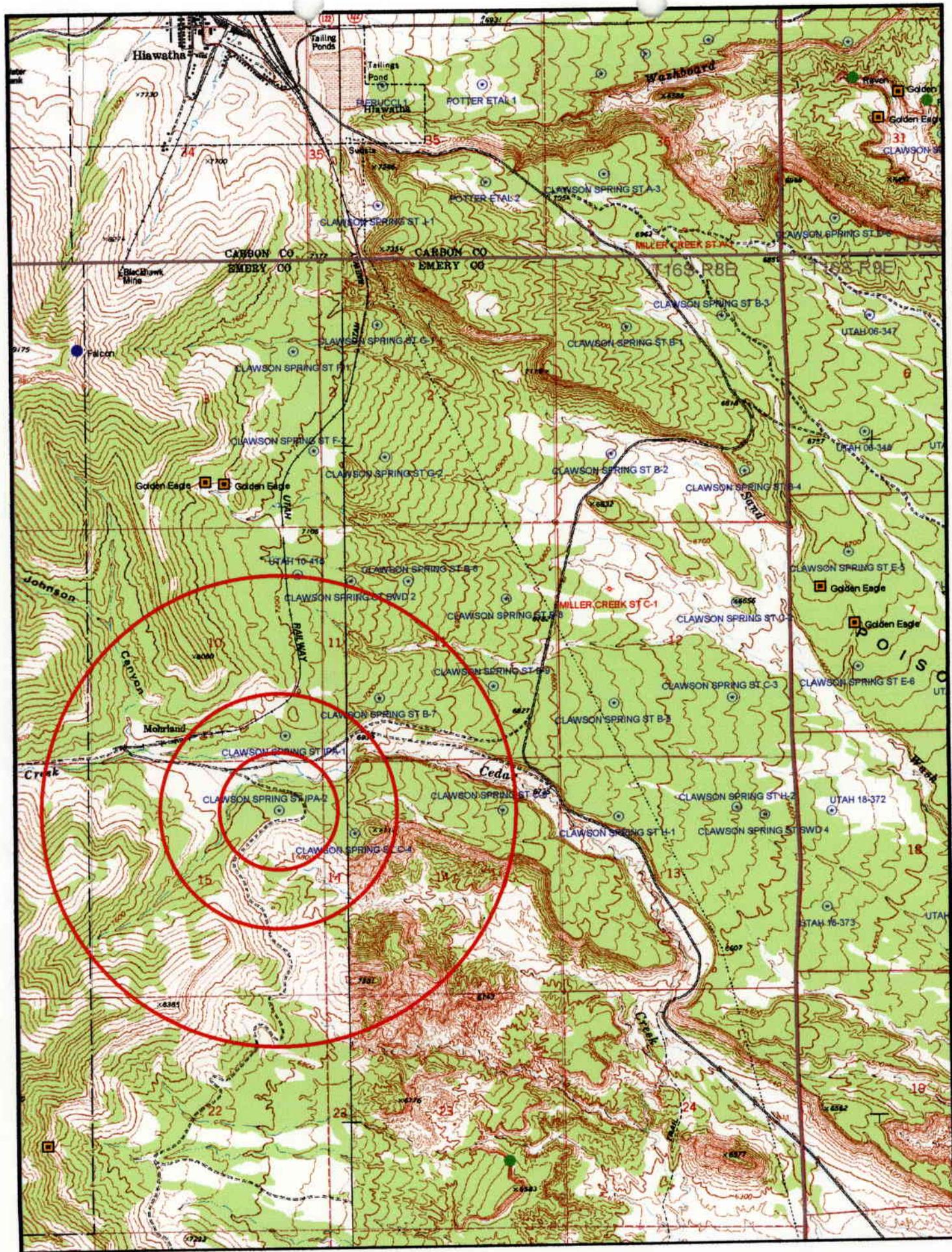
1. Low water crossings will be used at all the drainage crossings.
2. The location and pit are to be bermed on the top outside edge.
3. Minimum 12 mil synthetic pit liner is required.
4. Topsoil stockpiling is to be in a long low berm rather than a tall pile or heap.
5. A buffer of trees will be left between the edge of the location and the cliff to the south.



UTAH DIVISION OF WATER RIGHTS
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR AC-FT	SOURCE DESCRIPTION or WELL INFO DIAMETER DEPTH YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH EAST CNR SEC TWN RNG B&M
0	93 513	.0000	.00	Ben Johnson Creek	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		State of Utah School & Institutional Tru 675 East 500 South, Suite 500			Salt Lake City
1	93 514	.0000	.00	Ben Johnson Creek	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		C.O.P. Coal Development Company 53 West Angelo Ave.			Salt Lake City
1	93 514	.0000	.00	Ben Johnson Creek	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		C.O.P. Coal Development Company 53 West Angelo Ave.			Salt Lake City
2	93 516	.0000	.00	Cedar Creek	
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		ANR Co Inc 3212 South State Street			Salt Lake City

3	<u>93 519</u>	.0000	.00 Cedar Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		Salvatore, Triolo	383 Rio Lindo		Chico
3	<u>93 519</u>	.0000	.00 Cedar Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		Salvatore, Triolo	383 Rio Lindo		Chico
4	<u>93 517</u>	.0000	.00 Cedar Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		Larsen, Keith and Joyce			Huntington
4	<u>93 517</u>	.0000	.00 Cedar Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		Larsen, Keith and Joyce			Huntington
5	<u>93 163</u>	.0000	.00 Left Fork Cedar Creek		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		C.O.P. Coal Development Company	53 West Angelo Ave		Salt Lake City
5	<u>93 510</u>	.0110	.00 West Boy Scout Spring		
		WATER USE(S): STOCKWATERING			PRIORITY DATE: 00/00/19
		C.O.P. Coal Development Company	53 West Angelo Ave.		Salt Lake City



Well name:	10-00 Anadarko CS IPA-2	
Operator:	Anadarko	Project ID:
String type:	Surface	43-015-30469
Location:	Emery County	

Design parameters:

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

Burst
 Max anticipated surface pressure: 0 psi
 Internal gradient: 0.433 psi/ft
 Calculated BHP: 130 psi
 No backup mud specified.

Minimum design factors:

Collapse:
 Design factor: 1.125

Burst:
 Design factor: 1.00

Tension:
 8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)
 Tension is based on buoyed weight.
 Neutral point: 262 ft

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

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 (ft³)
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 by: RJK
 Utah Dept. of Natural Resources

Date: October 11, 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.

Well name:	10-00 Anadarko CS IPA-2	
Operator:	Anadarko	Project ID:
String type:	Production	43-015-30469
Location:	Emery 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: 140 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 368 ft

Cement top: 3,527 ft

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.433 psi/ft
 Calculated BHP 1,999 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: 4,036 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	4620	5.5	17.00	N-80	LT&C	4620	4620	4.767	159.2
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1999	6290	3.15	1999	7740	3.87	69	348	5.07 J

Prepared RJK
 by: Utah Dept. of Natural Resources

Date: October 11,2000
 Salt Lake City, Utah

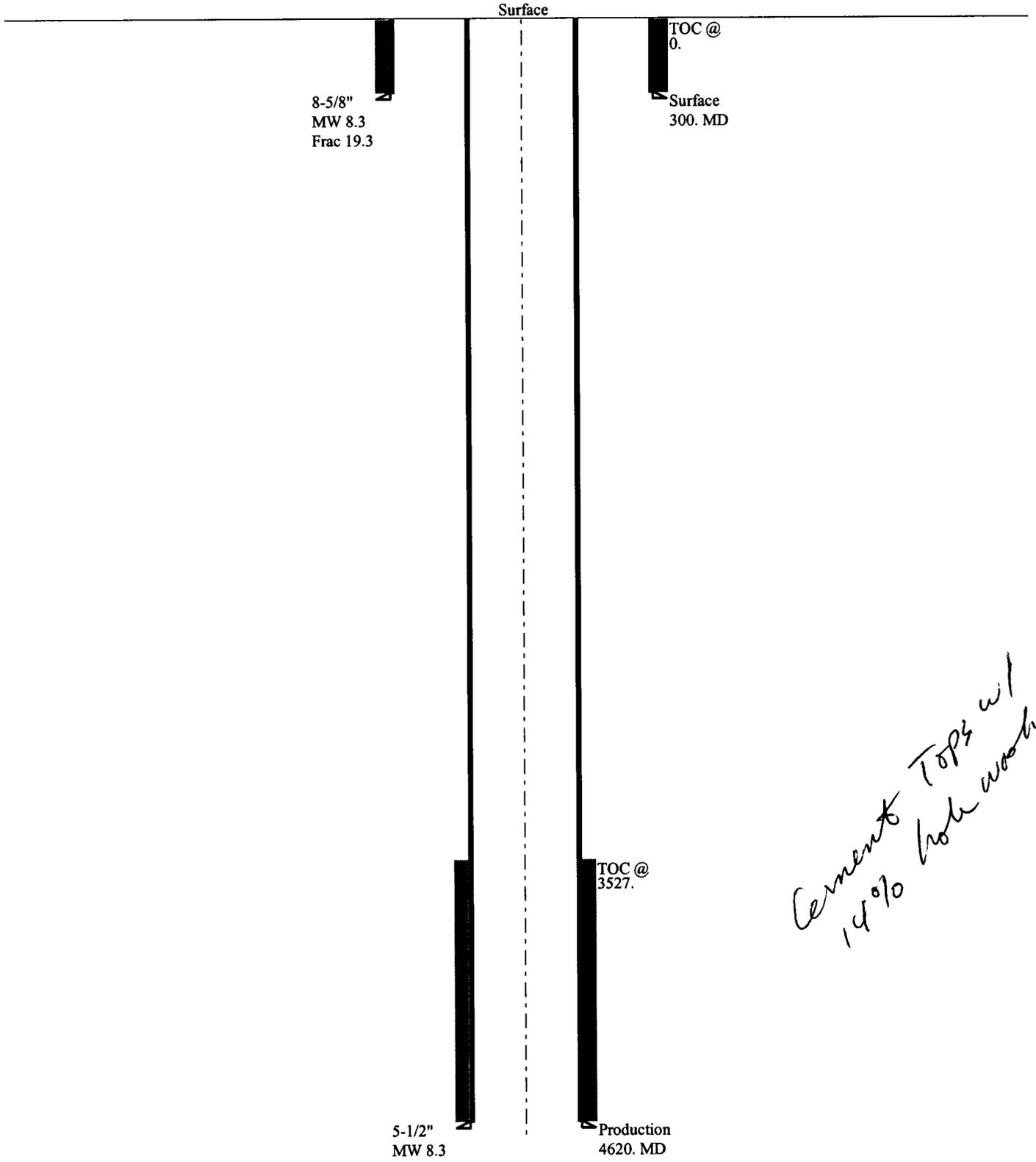
ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 4620 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.

10-00 Anadarko CS IPA-

Casing Schematic



*Cement Tops w/
14% hole washout*

ANADARKO PETROLEUM CORPORATION

17001 NORTHCHASE DRIVE

P.O. BOX 1330

HOUSTON, TEXAS 77251-1330

TEL. (281) 873-1101



October 24, 2000

Via Federal Express & Fax (801-359-3940)

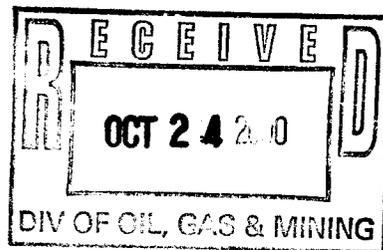
State of Utah
Division Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Attention: Lisha Cordova

Re: Surface Use Agreements

Clawson Spring State IPA-1
Section 10, T16S, R8E
Emery, Utah

Clawson Spring State IPA-2
Section 15, T16S, R8E
Emery, Utah



Lisha:

Please find attached for your records a copy of the Surface Use Agreement for the above-mention applications for permits to drill. These permits are pending awaiting confirmation of an executed Surface Use Agreement. Please find attached the Instrument that address surface access rights and surface use for the above Sections as well as others.

If you should need additional information in order to process these permits please contact me as follows.

Respectfully submitted:

Anadarko Petroleum Corporation

Joy L. Rector
832-601-3093 Office
281-874-8873 Secretary
281-539-4042 Rightfax

E 354895 B 261 P 794
Date 18-FEB-2000 1:52pm
Fee: 20.00 Check
DIXIE SWASEY, Recorder
Filed By SLB
For RIVER GAS CORPORATION
EMERY COUNTY CORPORATION

WHEN RECORDED, RETURN TO:
Joseph L. Stephenson, Vice-President-Land
River Gas Corporation
511 Energy Center Blvd.
Northport, AL 35473

**MINERAL DEED
(with Special Warranty)**

INTERMOUNTAIN POWER AGENCY, a political subdivision of the State of Utah, 480 E. 6400 South, Suite 200, Murray, Utah 84107 ("IPA"), **GRANTOR**, for Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does hereby sell, convey and assign to **RIVER GAS CORPORATION**, 511 Energy Center Blvd., Northport, Alabama 35473 ("RGC"), **GRANTEE**, all of IPA's right, title and interest in and to all oil and gas of whatsoever nature or kind (including gas well gas, casinghead gas, methane and gas from coal seams, carbon dioxide, and other gas), together with all associated hydrocarbons produced in a liquid or gaseous form, and sulfur in, on or underlying the following Emery County, Utah lands:

Township 16 South, Range 8 East, SLM

- Section 10: S $\frac{1}{2}$ S $\frac{1}{2}$ less the following described tract (the "Mohrland Loadout Exclusion):
BEGINNING at a point 146.72 feet North and 2211.27 feet West of the South Quarter Corner of Section 10, Township 16 South, Range 8 East, Salt Lake Base and Meridian, and running thence North 33°00' West 700 feet; thence North 61°45' East 670 feet; thence North 81°52'03" East 1878.04 feet; thence North 90°00' East 2261.26 feet; thence South 58°59'05" West 1496.40 feet; thence South 81°56'35" West 2463.03 feet; thence South 68°40' West 550.68 feet; thence North 33°00' West 174.95 feet, more or less, to the point of beginning.
- Section 11: S $\frac{1}{2}$ SW $\frac{1}{4}$
- Section 15: N $\frac{1}{2}$ N $\frac{1}{2}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$
- Section 22: NW $\frac{1}{4}$ NW $\frac{1}{4}$

(containing 554.2 acres, more or less),

together with rights of ingress and egress, including the right to occupy so much of the surface as is reasonably necessary, related to the development, extraction and transportation of the same, along with the right to drill and produce the occluded natural gas found in the coal seams, along with the right to fracture or otherwise stimulate as much of the coal seam or seams as RGC deems reasonably necessary to assure maximum production of occluded natural gas from said seams. Stimulation of the coal seams may involve, but not be limited to, the injection of water and other fluid, gas, air, and other gaseous substances into subsurface strata; provided, however, RGC shall exercise the rights granted herein in a reasonable manner that will not be intended to adversely affect the future mineability of the coal seams.

IPA warrants title to the minerals conveyed hereby against any and all claims of all persons claiming by, through or under IPA but not otherwise.

This Mineral Deed is expressly made subject to the terms and conditions of that certain Purchase and Sale Agreement of even date by and between IPA and RGC, a copy of which may be reviewed by any party having a vested interest in and to the above described property at the offices of IPA or RGC at the recited addresses during normal business hours.

Dated this 8th day of December, 1999.

INTERMOUNTAIN POWER AGENCY

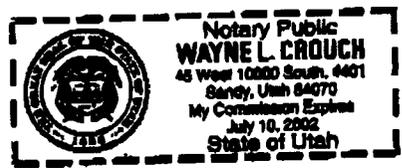
By: Reed T. Stickle
Its: Gen. Manager

STATE OF UTAH)
)
) :SS
COUNTY OF SALT LAKE)

This instrument was acknowledged before me on the 8th day of December, 1999 by Reed T. Stickle, the General Manager of Intermountain Power Agency.

Wayne L. Crouch
NOTARY PUBLIC

My Commission Expires:
10 July 2002



Utah Distribution Sheet

From: Joy Rector - Rm 228 Ext. 3093

Please Copy and Distribute as indicated below:

Fed Ex = Overnight Mail

Reg = Postal Mail

IO = Inter-office Mail

Fax = Send copy via fax #

Need Completed by: 10/24/2000

Orig + 2

State of Utah
Division Of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84114-6801
Attn:
Jim Thompson 801-538-5336 Office
801-359-3940 Fax
Lisha Cordova 801-538-5296

- _____ Dave Kopple - Drilling
- _____ Keith Buck - Geology
- _____ Mike Chambers - Prod Engineering
- _____ Lloyd Stutz - Prod Engineering
- _____ Patrick Smith - Landman
- _____ Jim Hartley - APC - Price Utah Office
(435) 637-3837 Fax
- _____ Greg Strickland - UPR-Rock Sprgs Wyo Office

- _____ 2 Joy Rector - Rm 228
- _____ TRC - Technical Resource Center File Copy
- _____ Copy to Reg Well File

_____ River Gas Corporation
6825 South 5300 West P. O. Box 851
Price, Utah 84501
Jean Samborski 435-613-9782
435-613-9777 Office
435-613-9782 Fax



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)

October 30, 2000

Anadarko Petroleum Corporation
17001 Northchase Dr
Houston, TX 77060

Re: Clawson Spring State IPA-2 Well, 1123' FNL, 1007' FEL, NE NE, Sec. 15, T. 16 South,
R. 8 East, Emery 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 43-015-30469.

Sincerely,

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

John R. Baza
Associate Director

er

Enclosures

cc: Emery County Assessor

Operator: Anadarko Petroleum Corporation
Well Name & Number Clawson Spring State IPA-2
API Number: 43-015-30469
Lease: FEE

Location: NE NE **Sec.** 15 **T.** 16 South **R.** 8 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 Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

SPUDDING INFORMATION

Name of Company: ANADARKO PETROLEUM

Well Name: CLAWSON SPRING ST IPA-2

Api No. 43-015-30469 LEASE TYPE: FEE

Section 15 Township 16S Range 08E County EMERY

Drilling Contractor _____ RIG # _____

SPUDDED:

Date 07//13/2001

Time LATE PM

How DRY

Drilling will commence _____

Reported by HARLIN COLLIER

Telephone # 1-435-636-9000

Date 07/16/2001 Signed: CHD

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

FORM 6

ENTITY ACTION FORM

Operator: Anadarko Petroleum Corporation Operator Account Number: N ⁰⁰³⁵ ~~14597~~-0
 Address: 17001 Northchase Drive
city Houston
state TX zip 77060 Phone Number: (281) 874-3441

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301530435	Clawson Springs State C-4		SWNE	14	16S	8E	Emery
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13199	07/12/01		7-25-01		
Comments: <u>7-25-01</u> CONFIDENTIAL							

Well 2

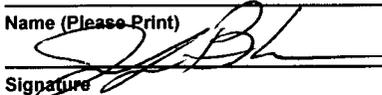
API Number	Well Name		QQ	Sec	Twp	Rng	County
43-015-30469	Clawson Springs State IPA-2		NENE	15	16S	8E	Emery
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13200	07/13/01		7-25-01		
Comments: <u>7-25-01</u> CONFIDENTIAL							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
43-015-30488	Clawson Springs State M-1		NWNE	2	16S	8E	Emery
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13201	07/16/01		7-25-01		
Comments: <u>7-25-01</u> CONFIDENTIAL							

ACTION CODES:

- 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)

Jennifer Berlin
 Name (Please Print)

 Signature
 Environmental Regulatory Analyst
 Title
 07/23/2001
 Date

JUL 23 2001

DIVISION OF
OIL, GAS AND MINING

CONFIDENTIAL

From: Sherri Prentice <sherri_prentice@anadarko.COM>
To: <cdaniels@state.ut.us>, <Eric_Jones@blm.gov>
Date: Wed, Aug 15, 2001 9:07 AM
Subject: Clawson Springs IPA-2

<<Clawson Springs IPA-2.doc>>

ANADARKO PETROLEUM CORPORATION
WELL HISTORY
ONSHORE - U.S.

CLAWSON SPRINGS IPA-2, DRUNKARD'S WASH FIELD, 1123' FNL & 1007' FEL, SECTION 15-16S-8E, EMERY COUNTY, UTAH, WI 1.0, NRI 0.875, AFE# 20446, ETD 4358', GLE 7168', ELENBURG #15, API# 43-015-30469

FIRST REPORT

8/12/01 874' (529') **DRILLING**, MW – AIR
DFS 01 SRF CSG PRESET ON 7/16/01 @ 335', DRILLING RIG MIRURT @ 08:00 HRS 8/11/01,
DO SHOE @ 18:30 HRS 8/11/01, LAST SURVEY @ 343' – 1.0°
CC: \$50,313

8/13/01 2450' (1576') **DRILLING**, MW – AIR
DFS 02 LAST SURVEY @ 2345' – 3.5°
CC: \$75,754

8/14/01 4480' (2030') **CIRC FOR LOGS**, MW – AIR
DFS 03 TD @ 23:00 HRS 8/13/01, LOAD HOLE W/ PROD WTR, LAST SURVEY @ 2848' – 4.0°
CC: \$104,964

TEMP DROP

8/15/01 4480' (0') **RELEASED RIG**
DFS 04 TOH, LDDP, RAN LOGS, RAN 100 JNTS 5 ½" 17# N80 CSG, SET @ 4480', CMT W/ 132
SXS CLASS G RFC, MIXED @ 14.2 PPG, GOOD CIRC, BMPD PLUG, FLOATS HELD,
ND BOPE, SET SLIPS, CO CSG, RELEASED RIG @ 16:00 HRS 8/14/01, **TEMPORARILY
DROP FROM REPORT, SI WO COMPL.**
CC: \$166,653

Carol Daniels - Daily Report from Anadarko 01/22/2002

From: Sherri Prentice <sherri_prentice@anadarko.COM>
To: "cdaniels@state.ut.us" <cdaniels@state.ut.us>
Date: 01/22/2002 11:33 AM
Subject: Daily Report from Anadarko 01/22/2002

ANADARKO Daily Drilling Summary

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE none, ETD 0', GLE 7168', (FERRON COAL), API 43-015-30469

- 01/22/2002 **Data is not available at the time of transmission.**
- 01/21/2002 **Data is not available at the time of transmission.**
- 01/20/2002 **Data is not available at the time of transmission.**
- 01/19/2002 MD 4480', **WELL REPAIR**
KILLED CSG W/ 60 BBL'S, POOH W/ REST OF TBG KILLED CSG W/ 40 BBL'S. RIH W/
PINNED/NOTCHED JT PSN 8 JTS TAC REST OF TBG. N/U WELLHEAD SET TAC W/
10,000# TENSION.,
CC \$10,118
- 01/18/2002 MD 4480', **MIRU**
MIRU; RODS WERE PARTED AT THE PUMP. SWABBED DN TBG PUMPED 40 BBL'S DOWN
CSG. N/D WELLHEAD, N/U BOPS R/U FLOOR RELEASED TAC RIH 2 JTS TAGGED NO FILL
POOH W/ 40 STDS. SDFN,
CC \$3,617
- 01/17/2002 **Data is not available at the time of transmission.**
- 01/16/2002 **WELL EVENT NOT STARTED.**

Carol Daniels - Daily Report from Anadarko 01/21/2002

From: Sherri Prentice <sherri_prentice@anadarko.COM>
To: "cdaniels@state.ut.us" <cdaniels@state.ut.us>
Date: 01/21/2002 3:19 PM
Subject: Daily Report from Anadarko 01/21/2002

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE none, ETD 0', GLE 7168', (FERRON COAL), API 43-015-30469

- 01/21/2002 **Data is not available at the time of transmission.**
- 01/20/2002 **Data is not available at the time of transmission.**
- 01/19/2002 **Data is not available at the time of transmission.**
- 01/18/2002 MD 4480', **MIRU**
MIRU; RODS WERE PARTED AT THE PUMP. SWABBED DN TBG PUMPED 40 BBL'S
DOWN CSG. N/D WELLHEAD, N/U BOPS R/U FLOOR RELEASED TAC RIH 2 JTS TAGGED
NO FILL POOH W/ 40 STDS. SDFN,
CC \$3,617
- 01/17/2002 **Data is not available at the time of transmission.**
- 01/16/2002 **WELL EVENT NOT STARTED.**
- 01/15/2002 **WELL EVENT NOT STARTED.**

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
n/a

7. UNIT or CA AGREEMENT NAME
n/a

8. WELL NAME and NUMBER:
Clawson Spring State IPA #2

9. API NUMBER:
4301530469

10. FIELD AND POOL, OR WILDCAT
Drunkard's Wash/Ferron

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NENE 15 16S 8E

12. COUNTY
Emery

13. STATE
UTAH

14. DATE SPUDDED: 7/13/2001

15. DATE T.D. REACHED: 8/13/2001

16. DATE COMPLETED: 8/20/2001

ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
7168 GL

18. TOTAL DEPTH: MD 4,480

19. PLUG BACK T.D.: MD 4,430

20. IF MULTIPLE COMPLETIONS, HOW MANY? *
N/A

21. DEPTH BRIDGE MD
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
GR, CCL, CBL - 4-11-02 CD, CN, GR - 9-4-01

23.
WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? 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
12 1/4"	8 5/8 J55	24#		346		157			
7 7/8"	5.5 N80	17#		4,480		132			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
na								

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Ferron	4,068	4,186			4,130 4,186	.66	60	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					4,068 4,101	.66	90	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4130-4186	349,000# 16/30
4068-4101	161,000# 16/30

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

GEOLOGIC REPORT

CORE ANALYSIS

DST REPORT

OTHER:

DIRECTIONAL SURVEY

30. WELL STATUS:

PGW
RECEIVED

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 12/10/2001		TEST DATE: 12/10/2001		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 520	WATER - BBL: 2	PROD. METHOD: pgw Flow
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS. 60	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 520	WATER - BBL: 2	INTERVAL STATUS:

INTERVAL B (As shown in Item #26)

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 #26)

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 #26)

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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Ferron	4,068

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) Jennifer Head, JA Rohn Consulting 970-377-0016 TITLE Agent, Anadarko Petroleum Corporation
 SIGNATURE Jennifer Head by [Signature] DATE 3/19/02

- This report must be submitted within 30 days of
- completing or plugging a new well
 - drilling horizontal laterals from an existing well bore
 - recompleting to a different producing formation
 - reentering a previously plugged and abandoned well
 - significantly deepening an existing well bore below the previous bottom-hole depth
 - drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.
 ** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send 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 10, 2002

RECEIVED

APR 11 2002

DIVISION OF OIL, GAS AND MINING

State of Utah
Attn: Carol Daniels
Dept. of Natural Resources
Division of Oil & Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Anadarko Petroleum Cement Bond Logs

Dear Ms. Daniels,

As per your request, please find attached cement bond logs for the following Anadarko Petroleum wells:

- Clawson Spring State C-4 - T16S R08E SEC 14 - 43-015-30435
 - Clawson Spring State C-6 - T16S R08E SEC 14 - 43-015-30461
 - Clawson Spring State F-2 - T16S R08E SEC 03 - 43-015-30472
 - Clawson Spring State IPA#2 - T16S R08E SEC 15 - 43-015-30469
 - Helper Federal A-7 - T13S R10E SEC 22 - 43-009-30698
 - Helper Federal E-1 - T13S R10E SEC 29 - 43-009-30549
- Logs filed with log files*

Should you have any questions, please do not hesitate to contact me at 832-636-3315 or by email at carla_ghazizadeh@anadarko.com.

Sincerely,

Carla Ghazizadeh
Env. & Reg. Analyst

From: Belinda Lopez <belinda_lopez@anadarko.COM>
To: "caroldaniels@utah.gov" <caroldaniels@utah.gov>
Date: 10/14/03 7:17AM
Subject: Daily Report from Anadarko 10/14/2003

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.

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE NONE, ETD 0', GLE 7168',
(FERRON COAL), API 43-015-30469

- 10/14/2003 MD 4480', **MIRU**
MIRU; SAFETY MEETING; PUMP 10 BBL'S PRODUCTION WATER MIXED WITH
GYPTRON T-149 DOWN CASING, CHASED W/ 300 BBL'S PRODUCTION WATER.
SHUT WELL IN FOR 24 HRS, THEN RETURN TO PRODUCTION. RDMO,
CC \$2,270
- 10/13/2003 **Data is not available at the time of transmission.**
- 10/12/2003 **WELL EVENT NOT STARTED.**
- 10/11/2003 **WELL EVENT NOT STARTED.**
- 10/10/2003 **WELL EVENT NOT STARTED.**
- 10/09/2003 **WELL EVENT NOT STARTED.**
- 10/08/2003 **WELL EVENT NOT STARTED.**

ANADARKO Daily Drilling Summary

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF ~~SEC. 15, T16S, R8E~~ EMERY, UTAH, AFE NONE, ETD 0', GLE 7168',
(FERRON COAL), RIG # 278, ~~API 43-015-30469~~

11/04/2003 MD 0', **MIRU POOH W/ RODS ETC**
MIRU POOH W/ RODS BAD PUMP TAG FILL LOWER SN 95' RIH W/ RODS START
WELL PUMPING RDMO,
CC \$7,113

11/03/2003 **Data is not available at the time of transmission.**

11/02/2003 **WELL EVENT NOT STARTED.**

11/01/2003 **WELL EVENT NOT STARTED.**

10/31/2003 **WELL EVENT NOT STARTED.**

10/30/2003 **WELL EVENT NOT STARTED.**

10/29/2003 **WELL EVENT NOT STARTED.**

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE NONE, ETD 0', GLE 7168',
(FERRON COAL), Pool 808, API 43-015-30469

07/22/2004 MD 0', **PREP TO PULL TBG, LOGGING**
MIRU, POOH W/ RODS & PUMP, PUMP TESTED GOOD, PREP TO PULL TBG,
SDFD,
CC \$1,577

07/21/2004 **Data is not available at the time of transmission.**

07/20/2004 **WELL EVENT NOT STARTED.**

07/19/2004 **WELL EVENT NOT STARTED.**

07/18/2004 **WELL EVENT NOT STARTED.**

07/17/2004 **WELL EVENT NOT STARTED.**

07/16/2004 **WELL EVENT NOT STARTED.**

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE NONE, ETD 0', GLE 7168',
(FERRON COAL), API 43-015-30469

- 07/23/2004 MD 4480', **MOVE TO CSS # E-8, PREP TO PULL RODS**
LOG TBG, CHG BHA, PUT IN COATED TBG, RUN PROD EQUIP, WELL'S READY
TO PUMP LEAVE DOWN FOR CHEM SQUEEZE, RDMO,
CC \$17,595
- 07/22/2004 MD 0', **PREP TO PULL TBG, LOGGING**
MIRU, POOH W/ RODS & PUMP, PUMP TESTED GOOD, PREP TO PULL TBG,
SDFD,
CC \$1,577
- 07/21/2004 **Data is not available at the time of transmission.**
- 07/20/2004 **WELL EVENT NOT STARTED.**
- 07/19/2004 **WELL EVENT NOT STARTED.**
- 07/18/2004 **WELL EVENT NOT STARTED.**
- 07/17/2004 **WELL EVENT NOT STARTED.**

ANADARKO Daily Drilling Summary

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE NONE, ETD 0', GLE 7168',
(FERRON COAL), API 43-015-30469

06/15/2005 MD 4480', **WATER FLUSH; PREP TO PUT BACK ON PRODUCTION**
SAFETY MEETING. CONNECT TO CASING VALVE. PUMP 125 BBL'S OF
PRODUCED WATER @ 6 BB'S/MIN. RDMO,
CC \$252

06/14/2005 **Data is not available at the time of transmission.**

06/13/2005 **WELL EVENT NOT STARTED.**

06/12/2005 **WELL EVENT NOT STARTED.**

06/11/2005 **WELL EVENT NOT STARTED.**

06/10/2005 **WELL EVENT NOT STARTED.**

06/09/2005 **WELL EVENT NOT STARTED.**

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE NONE, ETD 0', GLE 7168',
(FERRON COAL), API 43-015-30469

08/31/2005 MD 0', **PREP TO MOVE TO KERR MCGEE**
MIRU, PRESS TEST, POOH W/ RODS & PUMP, HOLE IN PUMP, CHG TO TBG,
RIH, TAG FILL, PULL UP RESET TA/C, RUN NEW PUMP, RDMO,
CC \$9,686

08/30/2005 **Data is not available at the time of transmission.**

08/29/2005 **WELL EVENT NOT STARTED.**

08/28/2005 **WELL EVENT NOT STARTED.**

08/27/2005 **WELL EVENT NOT STARTED.**

08/26/2005 **WELL EVENT NOT STARTED.**

08/25/2005 **WELL EVENT NOT STARTED.**

CLAWSON SPRING STATE IPA-2

, 1123' FEL & 1007' FEL OF SEC. 15, T16S, R8E, EMERY, UTAH, AFE NONE, ETD 0', GLE 7168', (FERRON COAL), API 43-015-30469

- 10/05/2005 MD 4480', **CHEMICAL SQUEEZE; SHUT IN 24 HRS THEN RETURN TO PRODUCTION**
HELD SAFETY MEETING. SHUT PUMP OFF; CONNECT TO CASING VALVE. PUMPED 2 DRUMS OF GYPTRON FOLLOWED BY 135 BBL'S OF PRODUCED WATER. LEAVE WELL OFF 24 HRS THEN RETURN TO PRODUCTION. RDMO, CC \$2,000
- 10/04/2005 **Data is not available at the time of transmission.**
- 10/03/2005 **WELL EVENT NOT STARTED.**
- 10/02/2005 **WELL EVENT NOT STARTED.**
- 10/01/2005 **WELL EVENT NOT STARTED.**
- 09/30/2005 **WELL EVENT NOT STARTED.**
- 09/29/2005 **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

FROM: (Old Operator): N0035-Anadarko Petroleum Corporation PO Box 173779 Denver, CO, 80214 Phone: 1 (720) 929-6000	TO: (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
- a. (R649-9-2)Waste Management Plan has been received on: Yes
- b. Inspections of LA PA state/fee well sites complete on: 4/10/2013
- c. 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: See Wells
2. NAME OF OPERATOR: Anadarko Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (720) 929-6000		8. WELL NAME and NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: See Wells
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
COUNTY:		STATE: UTAH

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 <i>Jaime Scharnowske</i>	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 1st 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