

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

RECEIVED
MAY 17 1990
APPLICATE*
(Time) (Conditions on
revenue)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
 DRILL DEEPEN PLUG BACK

b. Type of Well
 Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
 Cockrell Oil Corporation (713) 651-1271

3. Address of Operator
 1600 Smith, Suite 4600, Houston, Texas 77002-7348

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
 At surface
 1980' FNL, 1780' FWL (SE $\frac{1}{4}$ NW $\frac{1}{4}$)
 At proposed prod. zone
 Same

14. Distance in miles and direction from nearest town or post office*
 Eight Miles Northeast of Helper, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)
 660'

16. No. of acres in lease
 320

17. No. of acres assigned to this well
 40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
 N/A

19. Proposed depth
 3700' *measured*

20. Rotary or cable tools
 Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
 7580' GR

22. Approx. date work will start*
 June 1, 1990

5. Lease Designation and Serial No.
 Fee

6. If Indian, Allottee or Tribe Name
 Not Applicable

7. Unit Agreement Name
 Not Applicable

8. Farm or Lease Name
 Shimmin Trust

9. Well No.
 3

10. Field and Pool, or Wildcat
 Wildcat 001

11. Sec., T., R., M., or Blk. and Survey or Area
 Section 14, T12S, R10E

12. County or Parrish
 Carbon

13. State
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8" K-55	24.0#	300'	Circulate to Surface
7-7/8"	5-1/2" K-55	15.5#	Total Depth	400± sx

PLEASE REFER TO ATTACHED DRILLING PROGNOSIS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Dale Heitzman Title Consultant Date May 11, 1990
 (This space for Federal or State office use)

Permit No. 43-007-30119 Approval Date _____

Approved by _____ Title _____

Conditions of approval, if any: _____

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE 6/13/90
 BY: [Signature]
 WELL SPACING: _____

*See Instructions On Reverse Side

BARKER & associates

50 West Main Street
P.O. Box 43

Wellington, Utah
84542

SHIMMIN TRUST NO. 3

SECTION 14 TOWNSHIP 12 SOUTH RANGE 10 EAST SALT LAKE BASE & MERIDIAN

N 89°19' W 2715.9' (GLO) NORTH CARBON COUNTY UTAH

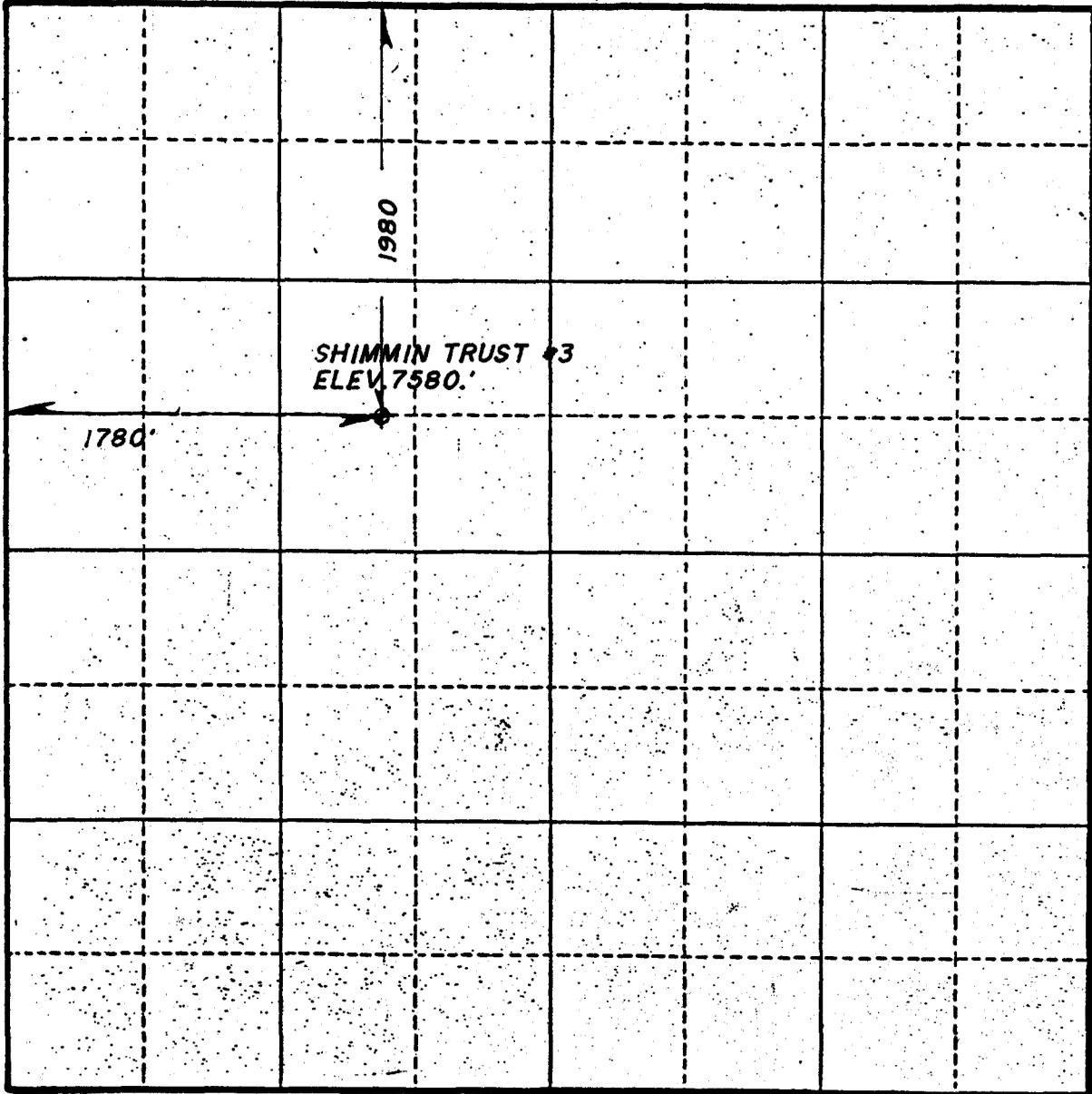
FOUND BC.

FOUND BC.

N 0°02' E 2762.1' (GLO)

FOUND BC.

FOUND BC.



Scale 1"=880 Feet

SOUTH

SURVEYOR'S CERTIFICATE

I, Art F Barker, a duly registered Land Surveyor in the state of Utah, do hereby certify that the survey represented by this plat is correct to the best of my knowledge and belief.

By Art F Barker
 ART F BARKER LS 5031
 Utah Reg. No. 05984
 BARKER

A circular seal for the State of Utah Land Surveyor. The outer ring contains the text "STATE OF UTAH" and "LAND SURVEYOR". The inner ring contains the text "ART F BARKER LS 5031" and "Utah Reg. No. 05984". The name "BARKER" is written in the center.

Date 5/11/90

COCKRELL OIL CORPORATION

#3 Shimmin Trust
SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14, T12S, R10E
Carbon County, Utah

Proposed Drilling Prognosis

1. Estimated Tops of Important Geologic Markers:

Flagstaff	Surface
Mesaverde B/Main Coal	3050'
Mesaverde B/All Coals	3500'
Total Depth	3700'

2. Estimated Depths of Anticipated Water, Oil and Gas:

Mesaverde Coal 300'-3500' Methane Gas

Fresh water zones, if any, encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: (Schematic Attached)

Type : 9 or 10" Double Gate Hydraulic with one (1) blind ram and one (1) pipe ram and Annular Preventer; equipped with automatic choke manifold.

Pressure Rating : 3000 psi BOP, 3000 choke manifold, 3000 psi Annular Preventer.

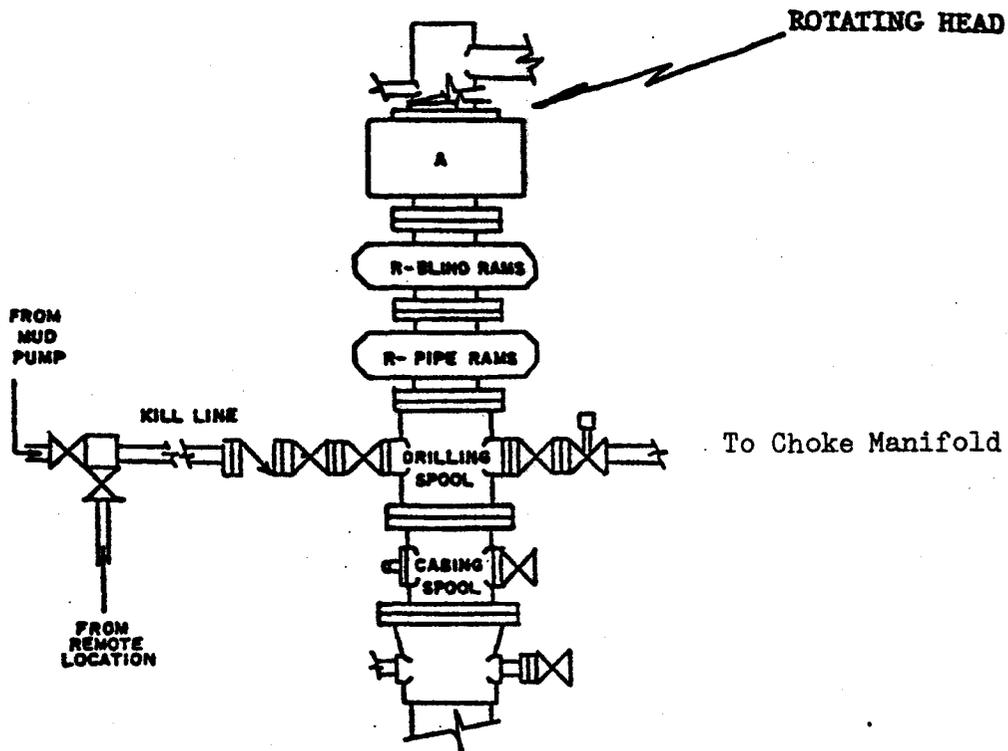
BOP and related pressure control equipment will be tested to 70% of the minimum internal yield pressure prior to drilling out the surface casing shoe and tested every thirty (30) days thereafter and recorded in the driller's log.

4. Mud Program:

<u>Interval</u>	<u>Type</u>
0- 300'	Fresh Water
300-3700'	Air Drill

If unable to drill with air then will convert to native mud (fresh water). No chemicals will be used.

Weight: 8.0# Viscosity: 35-45 Fluid Loss: 15 cc/less



Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
 - a) inside blowout preventer
 - b) lower kelly cock
 - c) upper kelly cock
 - d) stand pipe valve
 - e) lines to mud pump
 - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

COCKRELL OIL CORPORATION

#3 Shimmin Trust
SE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 14, T12S, R10E
Carbon County, Utah

Supplement to Application for Permit to Drill

1. Location and Type of Water Supply:

- A. Target Trucking will supply water from Summit Creek located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 11, Township 12 South, Range 10 East. A water permit will be obtained and a copy furnished the Utah Oil & Gas Commission.

2. Methods of Handling Waste Disposal:

- A. Sewage - self-contained, chemical toilets will be provided for human waste disposal.
- B. Garbage and other waste materials - all trash will be contained in a portable trash cage. Upon completion of operations, all trash will be hauled to an approved sanitary landfill.
- C. Cuttings and drilling fluids - the cuttings will be deposited in the reserve pit. Drilling fluids will be contained in reserve pit and allowed to evaporate. The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of one-half (1/2) the total depth below the original ground surface on the lowest point within the pit. The reserve pit will not be lined as only fresh water will be used if drilling with air is not utilized.

3. Plans for Reclamation of the Surface:

- A. Backfilling, leveling and re-contouring are planned as soon as the reserve pit dries. Waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities. If production is established, the unneeded areas of the location will be reclaimed as soon as the reserve pit dries.
- B. Upon completion of backfilling, leveling and re-contouring, the stock-piled topsoil will be evenly spread over the reclaimed area(s). All disturbed surfaces (including access road and well pad areas) will be reseeded using the seed mixture recommended by the Surface Owner.
- C. Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock and wildlife from becoming entrapped, and the fencing will be maintained until leveling and cleanup are accomplished.

3. Plans for Reclamation of the Surface: Continued

- D. If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- E. The reclamation operations will begin after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Rehabilitation operations should be completed by the Fall of 1991.

4. Other Information:

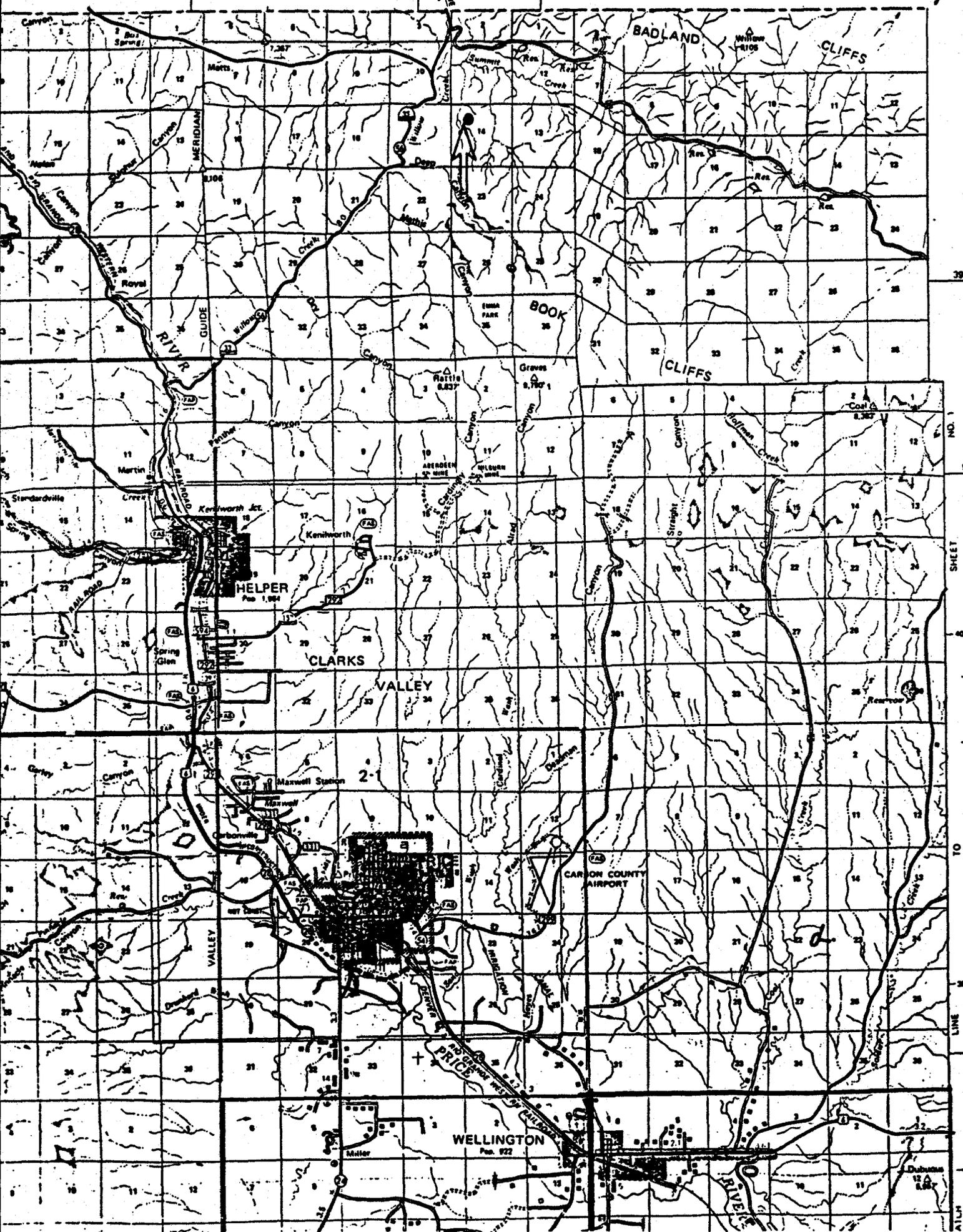
- A. The surface is owned by Shimmin Trust. Telephone: (801) 637-3412
Cockrell Oil Corporation has agreed to their requirements as to the rehabilitation of the surface. The Shimmin Trust is the mineral owner also.

Shimmin Trust
c/o Funnon Shimmin
1551 East North Coal Creek Road
Wellington, Utah 84542

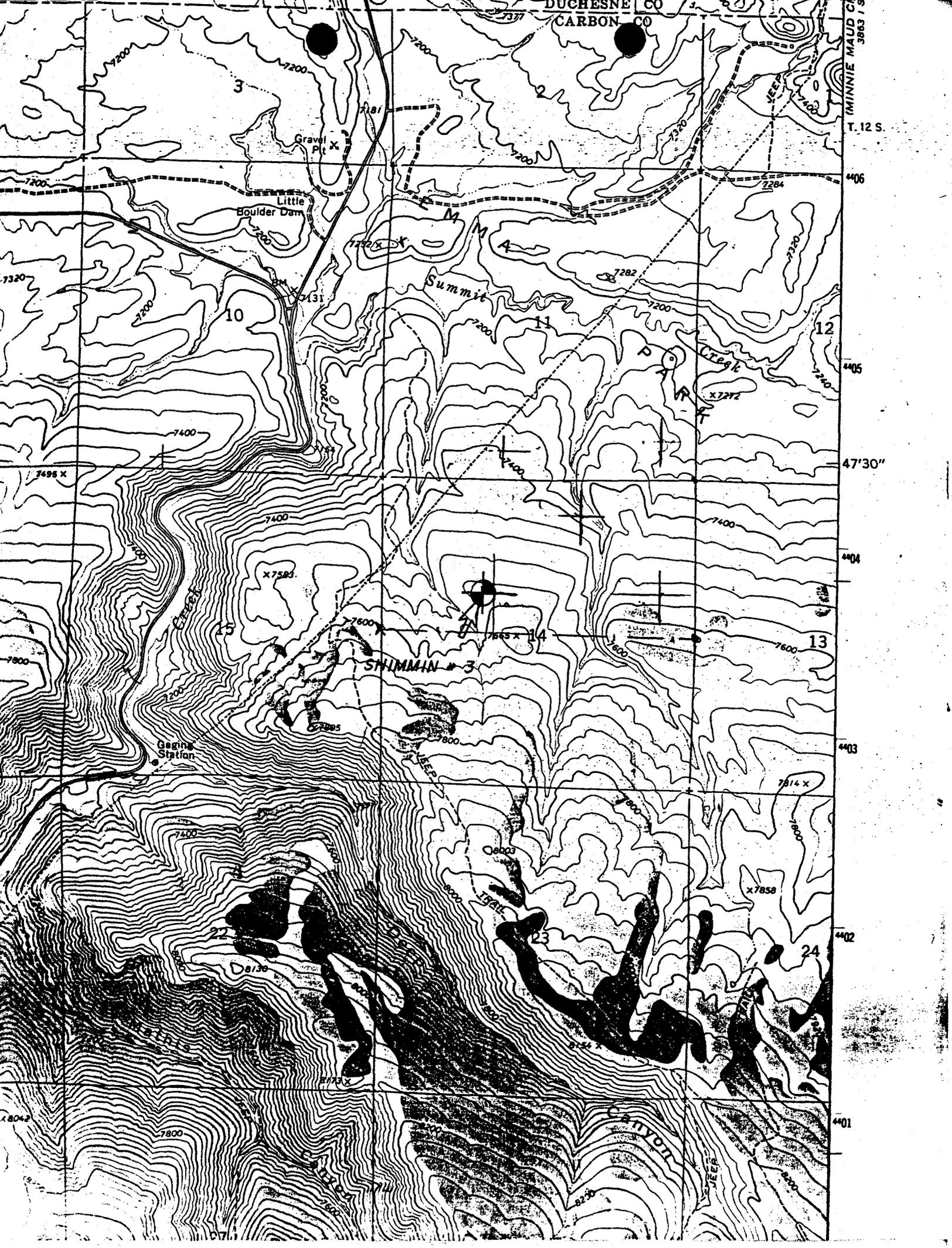
- B. If additional information is required, please contact the following:

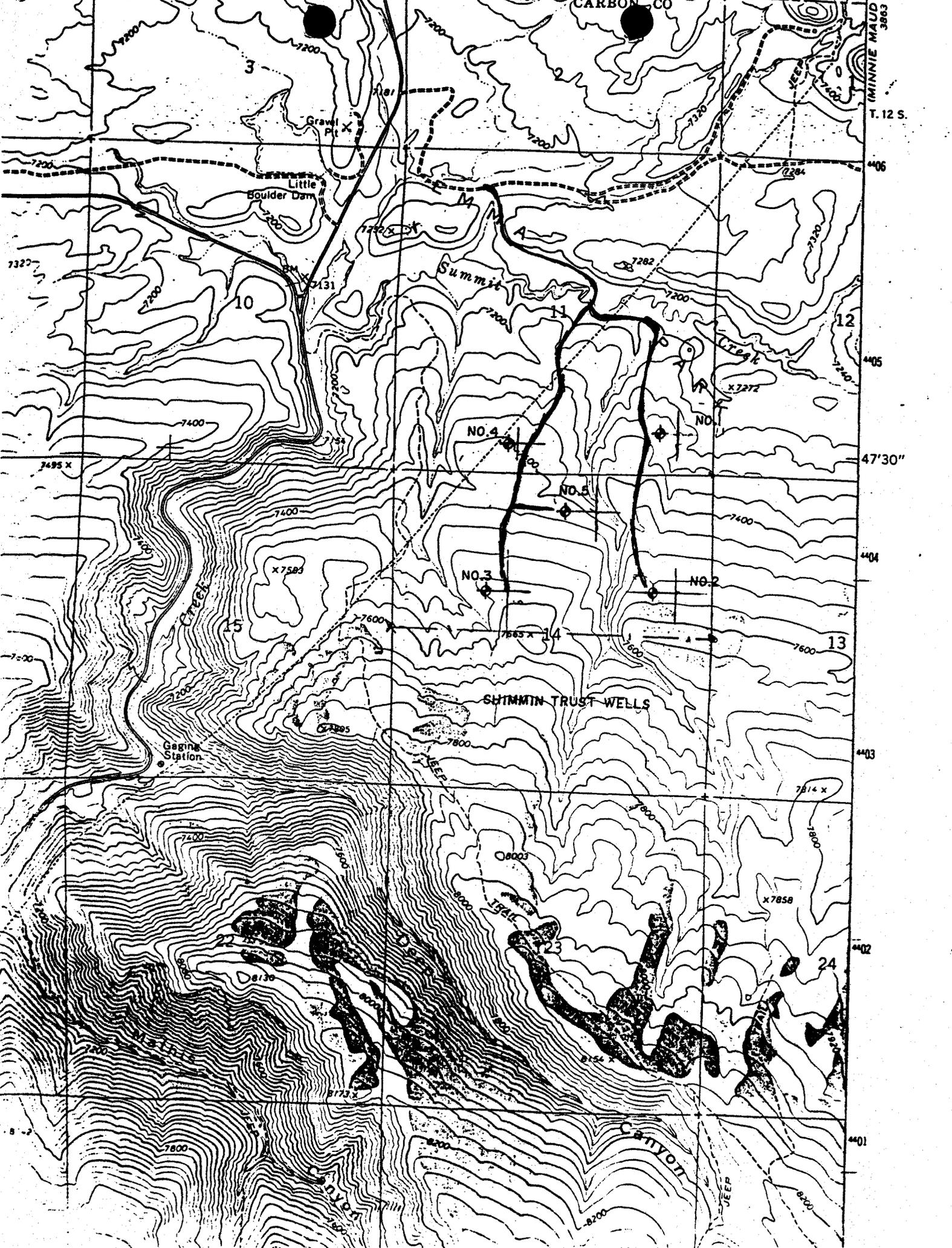
Dale Heitzman/Consultant
Heitzman Drill-Site Services
P. O. Box 3579
Casper, Wyoming 82602
Phone: (307) 266-4840 - Office
(307) 265-1558 - Home

110° 45' 00"



T. 12 S.
39° 45'
NO. 1
500,000 C.Z.
T. 13 S.
SHEET NO. 2
TO
LINE
M
800,000 C.Z.
ATL





STATE ACTIONS

Mail to:
RDCC Coordinator
116 State Capitol
Salt Lake City, Utah 84114

-
1. ADMINISTERING STATE AGENCY
OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203
2. STATE APPLICATION IDENTIFIER NUMBER:
(assigned by State Clearinghouse)
-
3. APPROXIMATE DATE PROJECT WILL START:
June 1, 1990

-
4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:
(to be sent out by agency in block 1)
Southeastern Utah Association of Governments

-
5. TYPE OF ACTION: Lease Permit License Land Aquisition
 Land Sale Land Exchange Other _____

-
6. TITLE OF PROPOSED ACTION:
Application for Permit to Drill

-
7. DESCRIPTION:
Cockrell Oil Corporation proposes to drill a wildcat well, the Shimmin Trust #3, on a private lease in Carbon County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The DOGM is the primary administrative agency in this case and must issue approval to drill before operations can commence.

-
8. LAND AFFECTED (site location map required) (indicate county)
SE/4, NW/4, Section 14, Township 12 South, Range 10 East, Carbon County, Utah

-
9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?
Unknown

-
10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:
No significant impacts are likely to occur

-
11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:

-
12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL
- John Baza
PHONE: 538-5340
- John R. Baza*
DATE: 6-4-90 Petroleum Engineer
-

MAY 25 1990

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: COCKRELL OIL COMPANY WELL NAME: #3 SHIMMAN TRUST
SECTION: 14 TWP: 12S RNG: 10E LOC: 1980 FNL 1780 FWL
QTR/QTR SE/NW COUNTY: CARBON FIELD: WILDCAT
SURFACE OWNER: SHIMMAN TRUST
SPACING: 460 F SECTION LINE 460 F QTR/QTR LINE 920 F ANOTHER WELL
INSPECTOR: BRAD HILL DATE AND TIME: 5/2/90 11:00

PARTICIPANTS: Art Barker-Surveyor, Jack Bendell-Cockrell, Blain Hemi-Hemi Const., Wayne Nielson-Nielson Const., William Smith-Consulting Engineer, Tony Siaperas-Siaperas Const., Dale Hietzman-Hietzman Consulting, Stan Dudley-Consultant

REGIONAL SETTING/TOPOGRAPHY: West-central Book Cliffs area. The location is on a north facing dip slope of the Flagstaff Limestone Formation. The slope is a fairly flat slope which dips to the north at about 4 degrees.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A square pad approximately 100'X 100' will be constructed with a 100'X 40' extension for the reserve pit. An access road approximately 1 mile long will be constructed to provide access to the 5 wells in this drilling program. Minor access roads will be constructed to each well site.

AFFECTED FLOODPLAINS AND/OR WETLANDS: The location is about 1/4 mile upslope from Summit Creek. The drilling of this well should have no effect on the creek.

FLORA/FAUNA: Sage, scattered grasses, Rabbit Brush, some cactus/Deer, Elk, Rabbits, Birds

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Clayey-silt with abundant angular cobbles and boulders. Soil formation is thin and mixed with broken and partially weathered limestone.

SURFACE FORMATION & CHARACTERISTICS: Flagstaff Limestone. Interbedded shales and limestones

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation. Locations should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Mesa Verde Coal/3000'-3500'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated.

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Mostly onsite materials. Roadbed gravel will be brought in for surfacing.

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: The reserve pit will be rectangular with dimensions of 10'X 40'X 10'.

LINING: None needed if mud program is followed as outlined in APD.

MUD PROGRAM: 0-300'/fresh water, 300-3700'/air drill if possible, if not, freshwater mud.

DRILLING WATER SUPPLY: Summit Creek

STIPULATIONS FOR APD APPROVAL

Berm should be placed around outside of location.

ATTACHMENTS

Photographs will be placed on file.

June 6, 1990

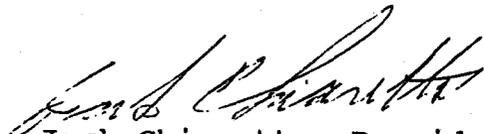
Division of Water Rights
Attn: Mark Page
453 South Carbon Avenue
Price, Utah 84501

Re: Cockrell Oil Company

Dear Mark:

Cockrell Oil Company has leased 10 acre feet of water from the Carbon Canal Company. The water is to be taken from Summit and Willow Creeks, and used in an exploration drilling program. This water will come from the Company's primary water right, No. 91-366. Cockrell will file the necessary paper work with your Division, and pay all the necessary fees.

Sincerely,


Jack Chiaretta, President
Carbon Canal Company

APPLICATION FOR TEMPORARY CHANGE OF WATER

RECEIVED

Rec. by _____

Fee Paid \$ _____

Receipt # _____

Microfilmed _____

Roll # _____

RECEIVED
JUN 08 1990

STATE OF UTAH

MAY 22 1990

WATER RIGHTS PRICE

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 15-1-10 Utah Code Annotated 1953, as amended.

OIL, GAS & MINING

*WATER RIGHT NO. 91 Area _____ *APPLICATION NO. t 90 . 91 . 02

Changes are proposed in (check those applicable)

point of diversion. place of use. nature of use. period of use.

1. OWNER INFORMATION

Name: Cockrell Oil Corporation *Interest: _____%

Address: 1600 Smith Road, Suite 4600

City: Houston State: Texas Zip Code: 77002-7348

2. *PRIORITY OF CHANGE: _____ *FILING DATE: _____

*Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 91-366 Morse Decree, First Class
Certificate #a-229

Prior Approved Temporary Change Applications for this right: _____

***** HERETOFORE *****

4. QUANTITY OF WATER: 7.98 cfs and/or _____ ac-ft.

5. SOURCE: Price River

6. COUNTY: Carbon

7. POINT(S) OF DIVERSION: S. 560 ft. & E. 680 ft. from N $\frac{1}{2}$ Cor. Sec. 1, T14S, R9E, SLB&M/

Description of Diverting Works: Concrete Diversion Dam, Earthen Ditches.

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 7.98 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

10. NATURE AND PERIOD OF

Irrigation: From March 1 to November 30
Stockwatering: From to
Domestic: From to
Municipal: From to
Mining: From to
Power: From to
Other: From to

11. PURPOSE AND EXTENT OF USE

Irrigation: 12,576.07 acres. Sole supply of 488.10 acres.
Stockwatering (number and kind):
Domestic: Families and/or Persons.
Municipal (name):
Mining: Mining District in the Mine.
Ores mined:
Power: Plant name: Type: Capacity:
Other (describe):

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): Carbon Canal

13. STORAGE

Reservoir Name: Storage Period: from to
Capacity: ac-ft. Inundated Area: acres.
Height of dam: feet.
Legal description of inundated area by 40 tract(s):

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: cfs and/or 10.0 ac-ft.
15. SOURCE: Summit Creek and Willow Creek
Balance of the water will be abandoned: , or will be used as heretofore: X
16. COUNTY: Carbon
17. POINT(S) OF DIVERSION: 1) Summit Creek: S. 2500 ft. & E. 2200 ft. from NE Cor. Sec. 11;
2) Willow Creek: N. 330 ft. & W. 320 ft. from SE Cor. Sec. 3;
3) Willow Creek: N. 1900 ft. & W. 1400 ft. from SE Cor. Sec. 10; all T12S, R10E, SLB&M.

Description of Diverting Works: Portable pump to tank truck
*COMMON DESCRIPTION: 9.5 miles NE of Helper, Utah Matts Summit Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from at a point:
Description of Diverting Works:

19. POINT(S) OF RETURN

The amount of water to be consumed is cfs or 10.0 ac-ft.
The amount of water to be returned is cfs or ac-ft.
The water will be returned to the natural stream/source at a point(s):

20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
Stockwatering: From ___/___/___ to ___/___/___
Domestic: From ___/___/___ to ___/___/___
Municipal: From ___/___/___ to ___/___/___
Mining: From ___/___/___ to ___/___/___
Power: From ___/___/___ to ___/___/___
Other: From 06/01/90 to 05/31/91

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
Stockwatering (number and kind): _____
Domestic: _____ Families and/or _____ Persons.
Municipal (name): _____
Mining: _____ Mining District at the _____ Mine.
Ores mined: _____
Power: Plant name: _____ Type: _____ Capacity: _____
Other (describe): Gas Well Drilling (5 Wells), Road Construction and Maintenance.

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s): SE1/4SE1/4 & SE1/4SW1/4 Section 11;
NW1/4NE1/4, SE1/4NW1/4 & SE1/4NE1/4 Section 14, Township 12 South, Range 10
East, S.L.B.&M.

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet.
Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary):
The Applicant is filing for temporary use for the drilling of five (5) gas wells. The earthen holding dam will be designed to allow the free flow of water through Summit Creek or Willow Creek.

The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Dale Heitzman

Signature of Applicant(s)

Dale Heitzman/Consultant for
Cockrell Oil Corporation

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t90-91-02

1. May 22, 1990 Change Application received by MP.
2. June 6, 1990 Application designated for APPROVAL by MP.

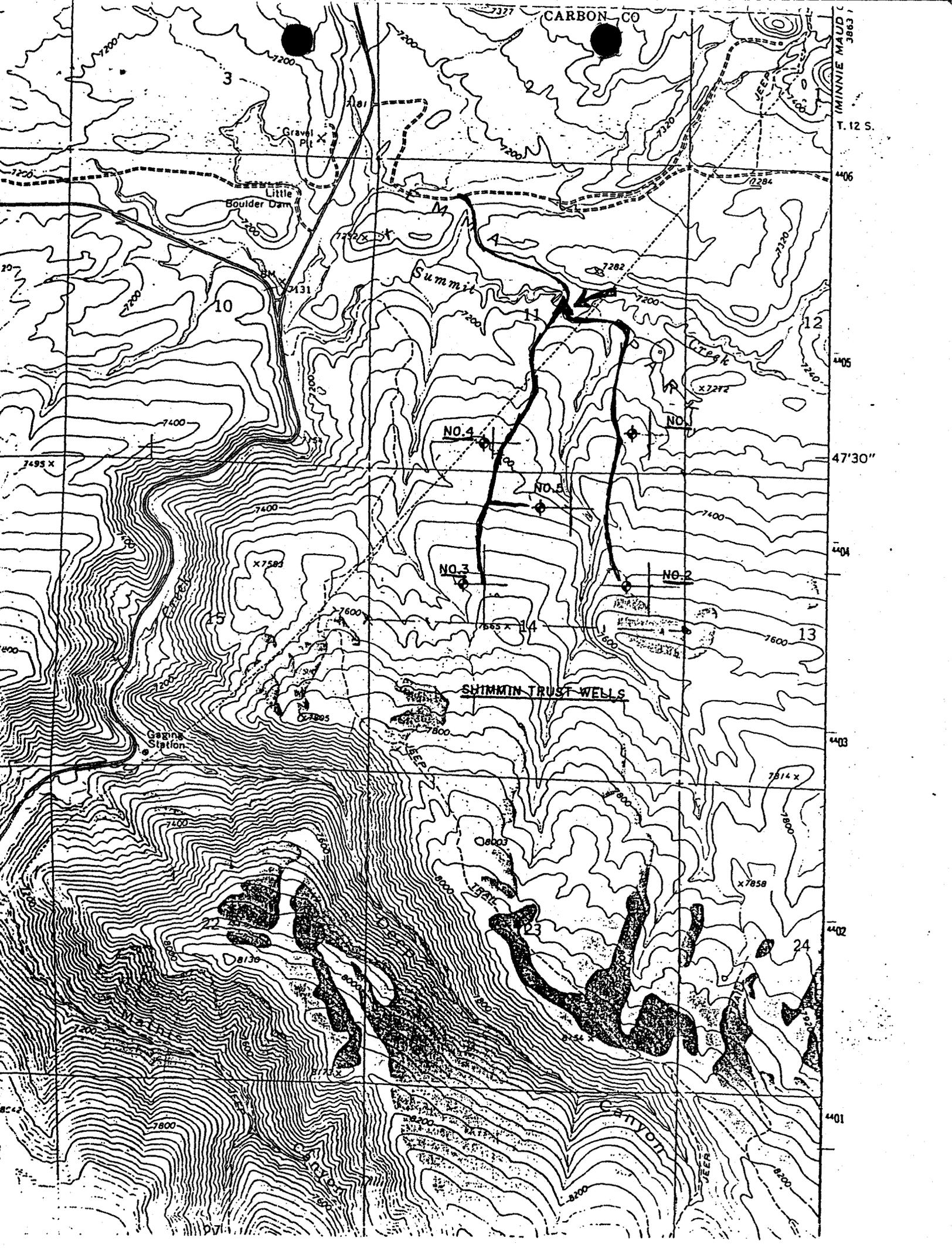
3. Comments:

Conditions:

This application is hereby APPROVED, dated June 6, 1990, subject to prior rights and this application will expire on May 31, 1991.



Mark Page, Area Engineer
for
Robert L. Morgan, State Engineer



CARBON CO

MINNIE MAUD

T. 12 S.

SHIMMIN TRUST WELLS

Summit

Little Boulder Dam

CANYON

10

NO. 4

NO. 5

NO. 3

NO. 2

12

13

24

4406

4405

47'30"

4404

4403

4402

4401

OPERATOR Cockrell Oil Corporation DATE 5-01-90

WELL NAME Shimmer dust 3

SEC SE 1/4 T 10S R 10E COUNTY Carbon

43-007-30119
API NUMBER

fee
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

80,000
(300038)

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 400 ft.

Apds water permit water permit +90-91-00 (91-area)

ROCC 5-01-90 (process)

Permit 5-05-90 (Geology when)

APPROVAL LETTER:

SPACING:

R615-2-3

N/A
UNIT

R615-3-2

N/A
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1 water permit

0. fee stipulation



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 13, 1990

Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002-7348

Gentlemen:

Re: Shimmin Trust 3 - SE NW Sec. 14, T. 12S, R. 10E - Carbon County, Utah
1980' FNL 1780' FWL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-2, Oil and Gas Conservation General Rules, subject to the following stipulation:

1. Cockrell Oil Corporation, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.

Page 2
Cockrell Oil Corporation
Shimmin Trust 3
June 13, 1990

6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-007-30119.

Sincerely,



R. O. Barth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
WE14/1-2

W. R. SMITH - CONSULTING ENGINEER

6920 S. Prince Way • Littleton, CO. 80120

303-795-0440

JUN 18 1990

June 12, 1990

GLH

DIVISION OF
OIL, GAS & MINING
Mr. Ron Firth, Director
Oil and Gas Division
Utah Board of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Application of Cockrell Oil Corporation for produced water pits. Shimmins Trust Lease located in Sections 11 and 14, Township 12 South, Range 10 East of the Salt Lake Principal Meridian in Carbon County.

Dear Ron:

Cockrell Oil Corporation has submitted applications to drill five wells to produce gas from the Mesaverde coal beds in the Book Cliffs area just north of Helper and Price. The specific well locations are as follows:

Shimmins Trust #1 SE 1/4, SE 1/4 Section 11, T. 12 S., R. 10 E.
Shimmins Trust #2 SE 1/4, NE 1/4 Section 14, T. 12 S., R. 10 E.
Shimmins Trust #3 SE 1/4, NW 1/4 Section 14, T. 12 S., R. 10 E. 43-007-30119
Shimmins Trust #4 SE 1/4, SW 1/4 Section 11, T. 12 S., R. 10 E.
Shimmins Trust #5 NW 1/4, NE 1/4 Section 14, T. 12 S., R. 10 E.

The following information is submitted in accord with the Oil and Gas Conservation-General Rules:

R615-9-5

- 1.1 Attached, as Exhibit A, is a topographic map showing the location of the wells, drainage in the area and contour intervals.
- 1.2 The maximum daily quantity of water to be discharged is not known at this time; however, we anticipate a daily average discharge from each well to be approximately 500 barrels per day. Although analysis of the water will not be available until production commences, we are aware of water produced from the same zone in a nearby exploration well drilled some time ago by Wexpro and the Department of Energy. A copy of that analysis is attached as Exhibit D. The total dissolved solids of that water was 530 parts per million. We anticipate the water to be produced from the Shimmins Trust wells to be fresh and of the same concentration as this exploratory well.
- 1.3 The National Weather Service office in Salt Lake City advises that the average precipitation at Price is 7.7 inches per year. The Utah Water Resources Division advises that based on reservoir measurements nearby, the average rate of evaporation is 44 inches per year.

R615-9-5 (Cont.)

- 1.4 Based on the anticipated amount of total dissolved solids, Cockrell does not anticipate a significant buildup. In the event such a build up should occur, the solids would be disposed of in accord with the Utah regulations relating to such matters.
- 1.5 The wells are gas wells and no production of liquid hydrocarbons is anticipated.
- 1.6 Attached as Exhibit B is a sketch of the proposed water pit to be used for each well or combination of wells in the event that water production is less than anticipated.
- 1.7 Due to the fine quality of this water, estimated to contain 500 to 600 ppm of total dissolved solids, Cockrell is requesting permission to complete the pits without liners. This request is in accord with rule R615-9-4 section 3, which states, "Application for disposal of produced water into an unlined pit will be considered if such disposal does not demonstrate significant pollution potential to surface or ground water and meets one of the following criteria:"
The proposed disposal meets criteria 3.1 since it is significantly below the 5,000 mg/l of total dissolved solids "TDS" and contains none of the objectionable constituents mentioned; and, 3.2 since all of the water will be available for livestock or wildlife watering.
Note: Cockrell has taken and analyzed samples of waters from the nearby Willow and Surface Creeks. Willow Creek has total dissolved solids of 559 ppm and Surface Creek has total dissolved of 715 ppm. Both have concentrations in excess of our anticipated produced water. Copies of these analysis are attached for your information as Exhibit C-1 aand C-2.
- 1.8 As noted in Exhibit B, the provisions of this section are met.
- 1.9 The provisions of this section will be met at the appropriate time.

I hope that the above information meets the requirements of your office and you will be able to issue unlined water production pit permits to Cockrell for the operation of their Shimmins Trust wells. If you have any questions or need additional information please contact me.

Yours very truly,

William R. Smith
William R. Smith, P.E.

cc: Mr. Feldor Hollenshead
Cockrell Oil Corporation
1600 Smith-Suite 4600
Houston, Texas 77002-7348

OIL AND GAS	
DRN	RJF
JPB	<i>H</i> GLH
DTS	SLS
<i>D-JOH</i>	
<i>D-DME</i>	
<i>4-</i>	MICROFILM
<i>5-</i>	FILE

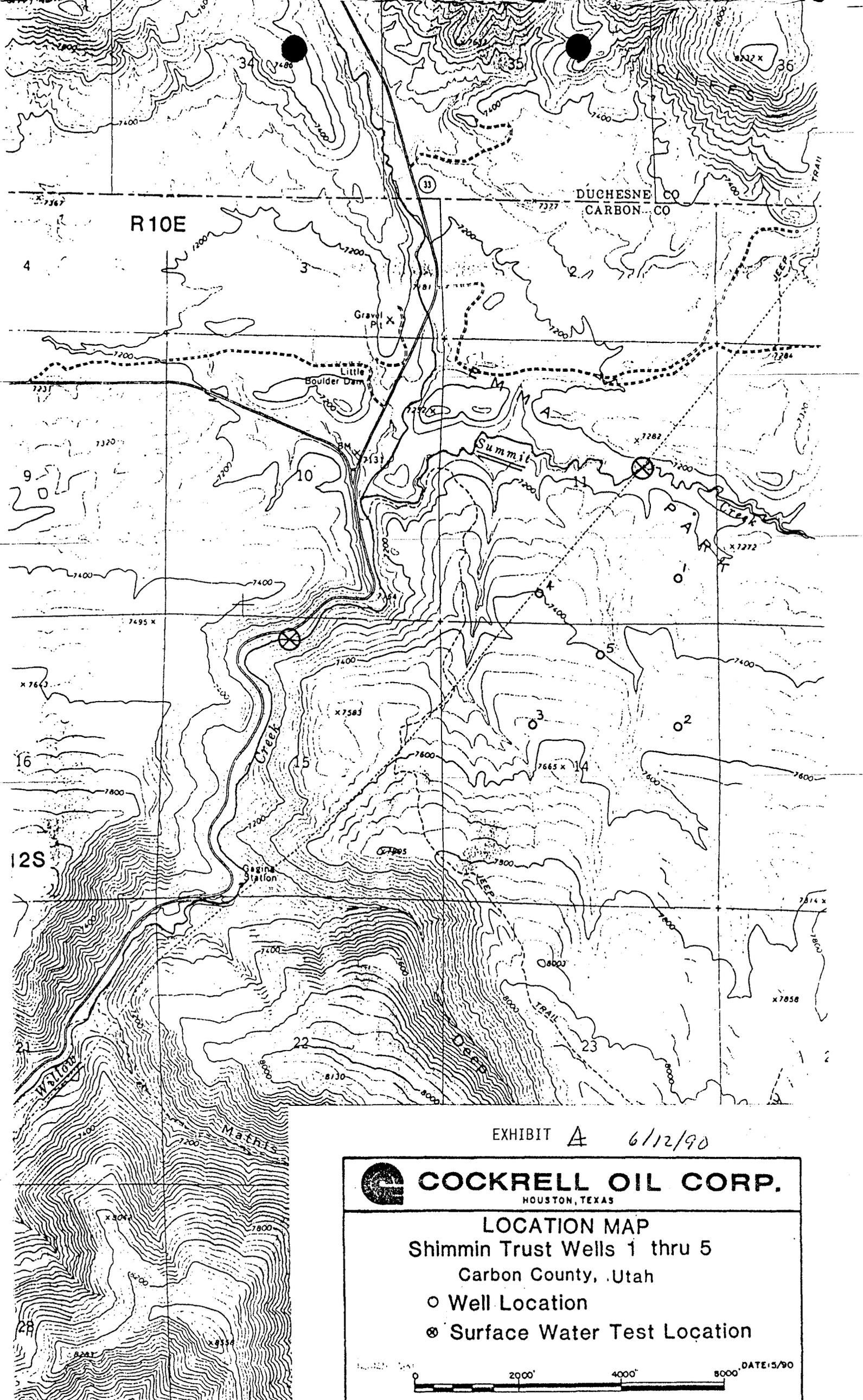
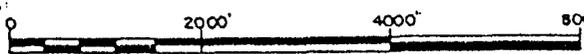


EXHIBIT A 6/12/90

	COCKRELL OIL CORP. HOUSTON, TEXAS
	LOCATION MAP Shimmin Trust Wells 1 thru 5 Carbon County, Utah ○ Well Location ⊗ Surface Water Test Location
	
DATE: 5/90	

47'30"

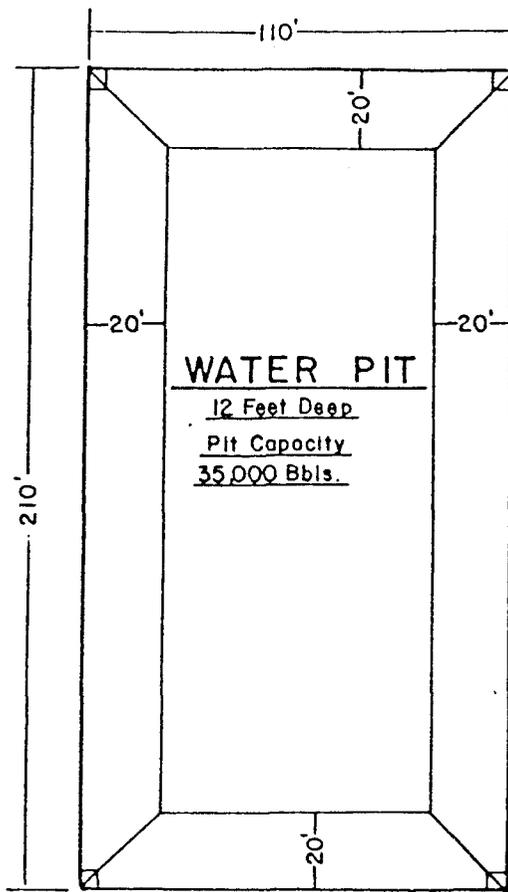
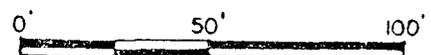


EXHIBIT B 6/12/90



COCKRELL OIL CORP.
HOUSTON, TEXAS

Wellsite Water Discharge Pit



6/12/90

Scale $\frac{1}{4}'' = 1 \text{ mile}$

111°00' 40°00' R. 10 W. R. 9 W. R. 8 W. R. 7 W. R. 6 W.

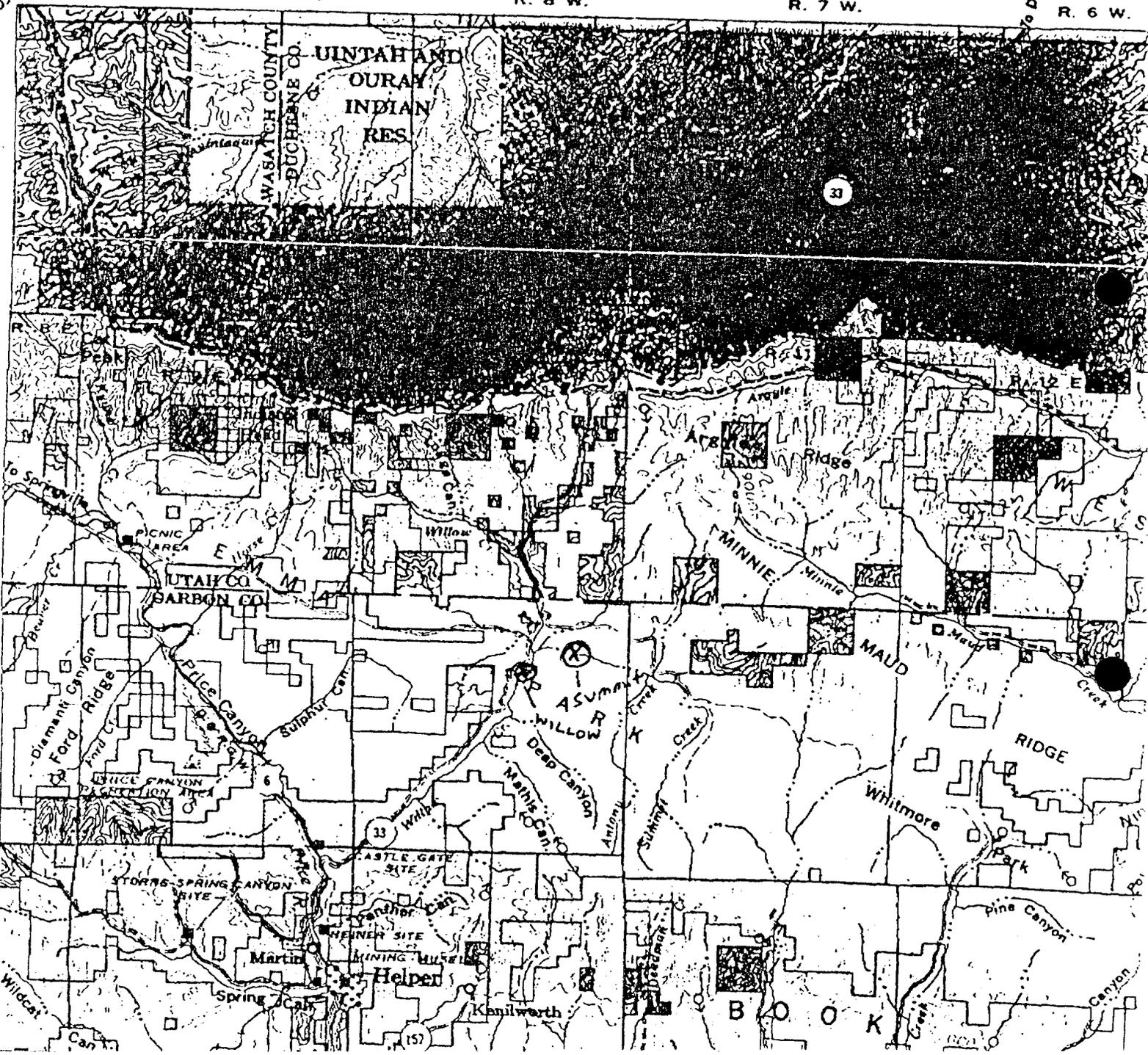
T. 6 S. UTAH BASE MERIDIAN

T. 11 S. SALT LAKE BASE MERIDIAN

T. 12 S.

T. 13 S.

⊗ Sample Points





COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • (312) 953-9300

SINCE 1906

Member of the SGS Group (Société Générale de Surveillance)

PLEASE ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1020, HUNTINGTON, UT 84636
TELEPHONE: (801) 653-2311

June 6, 1990

Job No.: 59 10420
Date Rec'd: May 31, 1990
Date Sampled: May 31, 1990
Sampled By: COMMERCIAL TESTING & ENG. CO.

Sample ID: COCKRELL OIL CORP.
SUMMIT CREEK ONE MILE EAST OF
CONFLUENCE
Rec'd 0800 hr.
Sampled 0800 hr.

COCKRELL OIL CORPORATION
1600 SMITH
SUITE 4600
HOUSTON TX 77002

WATER ANALYSIS

Alk., Bicarbonate 06-04-90	418	mg/l HCO ₃	Hardness, Total	467	mg/l CaCO ₃
Alk., Carbonate 06-06-90	6	mg/l CaCO ₃	Magnesium 06-01-90	65.00	mg/l
Alk., Total 06-06-90	349	mg/l CaCO ₃	Nitrogen, Nitrate 06-04-90	0.14	mg/l
Anions, Total	14.65	meq/l	pH 05-31-90	8.30	Units
Calcium 06-01-90	79.7	mg/l	Potassium 06-01-90	5.80	mg/l
Cations, Total	14.38	meq/l	Sodium 06-01-90	114.30	mg/l
Chloride 06-04-90	55.0	mg/l	Solids, Dissolved 06-05-90	715.0	mg/l
Conductivity 05-31-90	1250	umhos/cm	Sulfate 06-04-90	300.0	mg/l

ANALYST: *D. Tyson*

Respectfully submitted,
COMMERCIAL TESTING & ENGINEERING CO.

W U
Manager, Huntington Laboratory

Original Copy Watermarked
For Your Protection

TABLE 25

WHITMORE PARK #1 - WATER SAMPLES

	<u>pH</u>	<u>TDS</u>	<u>TSS</u>	<u>Na</u>	<u>K</u>	<u>Ca</u>	<u>Mg</u>	<u>Fe</u>	<u>Co₃⁼</u>	<u>C⁻</u>
Whitmore Park Well No. 1 (10-29-79)										
760' Aquifer	8.9	542	7	112	1.62	1.32	17.6	0.29	436	20
Unloading @ 2500'	8.0	521	33	72.5	13.4	73.6	44.7	10.7	629	30
Base of Gilson	7.5	531	90	74.6	14.5	75.6	45.4	6.2	657	30
Whitmore Park Well No. 2 (9-15-80)										
Prestimulation production	7.7	230	83	350	20	200	150	11	673	26
Whitmore Unit No. 1 Well (8-12-82)										
Poststimulation production	7.9	3580								600

Cockrell Oil Corporation
Exhibit D

6/12/90



State of Utah

Division of State History
(Utah State Historical Society)
Department of Community and Economic Development

Well file

Norman H. Bangerter
Governor
Max J. Evans
Director

300 Rio Grande
Salt Lake City, Utah 84101-1182
801-533-5755

June 26, 1990

Ms. Carolyn Wright
Resource Development Coordinating Committee
State Planning Office
116 State Capitol

BUILDING MAIL

RE: Application for Permit to Drill, Shimmin Trust #3 Well - UT900606-060

In Reply Please Refer to Case No. 90-0769

Dear Ms. Wright:

The Utah State Historic Preservation Office has reviewed our cultural resource files for the above requested project area. No prehistoric or historic sites have been recorded within the project area because no cultural resource surveys have been conducted. However, such sites may well exist in the project area.

A survey of the area will likely lead to the identification of more resources, some of which may be eligible for the National Register of Historic Places. It is your responsibility, based on this assessment, to determine the need for further actions, such as field surveys or predictive models to identify historic properties. If you choose to do this, we will be glad to comment on your evaluation of historic properties against the National Register criteria (36 CFR 60.4) should any sites be found. We will also assist in applying the criteria of effect as outlined in 36 CFR 800.5.

This information is provided on request to assist the Division of Oil, Gas and Mining with its state law responsibilities as specified in U.A.C. 63-18-37. If you have questions or need additional assistance, please contact me at (801) 533-7039.

Sincerely,

James L. Dykman
Regulation Assistance Coordinator

JLD:90-0769 OR



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

July 2, 1990

Mr. Feldor Hollenshead
Cockrell Oil Corporation
Drilling and Production Department
1600 Smith, Suite 4600
Houston, Texas 77002-7348

Dear Mr. Hollenshead:

Re: Approval to Construct Produced Water Disposal Pits, Sections 11 and 14, Township 12 South, Range 10 East, Carbon County, Utah

The application of Cockrell Oil Company for disposal of produced water into unlined pits has been reviewed and considered by the Division staff. The application requests approval for disposal pits at the following well sites:

Township 12 South, Range 10 East

- Shimmins Trust #1 SE 1/4, SE 1/4, Section 11
- Shimmins Trust #2 SE 1/4, NE 1/4, Section 14
- Shimmins Trust #3 SE 1/4, NW 1/4, Section 14
- Shimmins Trust #4 SE 1/4, SW 1/4, Section 11
- Shimmins Trust #5 NW 1/4, NE 1/4, Section 14

113-007-30119

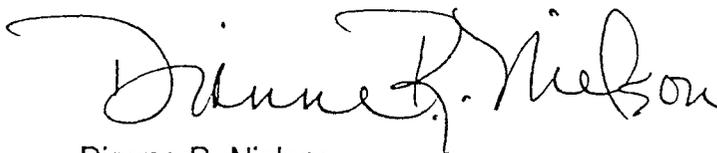
In accordance with Rule R615-9-5-4, Oil and Gas Conservation General Rules, approval is hereby granted to construct the produced water disposal pits as outlined in the application subject to the following requirements:

In accordance with Rule R615-9-5-3.2, a representative water analysis of the produced water is required prior to disposal of produced water into any pit. The Division staff will review the water analysis report and if appropriate, advise the operator of authorization to dispose of the produced water and the frequency of future water analysis requirements.

Page 2
Mr. Feldor Hollenshead
July 2, 1990

If you have any questions or would like to discuss this approval, please call Brad Hill or Gil Hunt at this office.

Best regards,

A handwritten signature in cursive script that reads "Dianne R. Nielson". The signature is written in black ink and is positioned above the printed name and title.

Dianne R. Nielson
Director

BGH/lde
cc: R.J. Firth
Gil Hunt
WO163



DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangertter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6121

August 8, 1990

RECEIVED
AUG 09 1990

DIVISION OF
OIL, GAS & MINING

Mr. William R. Smith, P.E.
6920 South Prince Way
Littleton, CO 80120

Re: Cockrell Oil Corporation's Coal-Bed
Methane Project Shinumins Trust Lease

Dear Mr. Smith:

I received on July 20, 1990 information submitted as part of the UPDES application for your proposal on construction of sediment ponds for treatment of water produced in the referenced coal-bed methane recovery project.

Based upon review of water pollution control regulations and discussions with Mr. Gil Hunt of the Division of Oil, Gas and Mining (DOG M), I have determined that the project falls within DOGM regulations governing produced water, a ground water discharge construction permit will not be required. Adequate freeboard and a method for separation of oil and grease from discharge water at the pond outlets is recommended to be provided. The notification on the UPDES application is expected by the middle of the month.

If you have any questions, please contact me at (801) 637-3671.

Sincerely,

David R. Ariotti, P.E.
Southeast District Engineer
Utah Division of Environmental Health

DRA:rvg

cc: Kiran Bhayani, Water Pollution Control
Larry Mize, Water Pollution Control
Steve McNeal, Water Pollution Control
Gil Hunt, Division of Oil, Gas and Mining

N:cockrell.ltr

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
CEMENTING OPERATIONS

43-007-30119

COMPANY NAME: Crutwell Oil Corp.

WELL NAME: Shannon in Tract #3

QTR/QTR 4th Qtr SECTION 14 TOWNSHIP 12S RANGE 10E

CEMENTING COMPANY: Hovco WELL SIGN 7

INSPECTOR: John Hovco DATE: 7-29-90

CEMENTING OPERATIONS:

PLUGBACK: _____ SQUEEZE: _____ CASING: P-A ZONE: _____

SURFACE CASING: INTERMEDIATE _____ PROD CASING: _____

PERFORATIONS _____ SQUEEZE PRESSURE _____

CASING INFORMATION:

SIZE 2 7/8 GRADE: 40-80 HOLE SIZE: 1 3/4 DEPTH: 625

SLURRY INFORMATION:

25 cu 1. CLASS: Source 200 Cement
LEAD: 90-100 PPM TAIL: _____

416 cu 2. SLURRY WEIGHT: Approx 120 lbs per cu ft Plastic Type II 2 1/2" Collo 3/4" 1/2" Pouch
LEAD: _____ TAIL: _____

3. WATER (GAL/SK)
LEAD: 5.2 TAIL: _____

4. COMPRESSIVE STRENGTH
PSI @ 550 in 12 hrs HR _____

PIPE CENTRALIZED 1 1/2" depth CEMENTING STAGES 7

LOST RETURNS 1/2 REGAIN RETURNS 1/2 BARRELS LOST 1/2

TOP OF CEMENT Surface - immediate PERF INTERVAL _____

CEMENT TO SURFACE? Yes

ADDITIONAL COMMENTS: From 200 lbs called this about a 1/2 cu ft

and 1/2 cu ft returned. Displaced 1/2 cu ft capacity. Did not

run 1/2 cu ft. 1 lost field etc.



BULK MATERIALS DELIVERY AND TICKET CONTINUATION

FOR INVOICE AND
TICKET NO. _____

DATE 07-29-90	CUSTOMER ORDER NO.	WELL NO. AND FARM Shinmin #3	COUNTY	STATE Utah
CHARGE TO Cockrell		OWNER Same	CONTRACTOR Leon Ross	
MAILING ADDRESS		DELIVERED FROM Vernal, Utah	LOCATION CODE 55685	PREPARED BY J C Brewer
CITY & STATE		DELIVERED TO Location	TRUCK NO. 3774-5709 3486	RECEIVED BY

No. **B 876328**

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
504--050	516.00261			Premium Plus Cement	415	sk			8.86	3,676.90	
509-406	890.50812			Calcium Chloride Mixed 2%	10	sk			32.50	325.00	
507-210	890.50071			Flocele Mixed 1/4#/sk	104	lb			1.35	140.40	
506-105	516.00286			Pozmix A	25	sk			4.13	103.25	
THIS IS NOT AN INVOICE											
		Returned Mileage Charge	TOTAL WEIGHT		LOADED MILES		TON MILES				
		SERVICE CHARGE ON MATERIALS RETURNED						CU. FEET			
500-207		SERVICE CHARGE				CU. FEET 460		1.10	506.00		
500-306		Mileage Charge	41387	TOTAL WEIGHT		95	LOADED MILES		1765.55	.75	1474.16
No. B 876328		CARRY FORWARD TO INVOICE						SUB-TOTAL		6775.71	

WELL DATA

FIELD _____ SEC. 14 TWP. 12S RNG. 10E COUNTY CARSON STATE UT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING		N	23"	8 5/8	5002	606 16	200
LINER							
TUBING							
OPEN HOLE							SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION THICKNESS _____ FROM _____ TO _____

INITIAL PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

PRESENT PROD. OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD

COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____

PACKER TYPE _____ SET AT _____

BOTTOM HOLE TEMP. _____ PRESSURE _____

MISC. DATA _____ TOTAL DEPTH _____

JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>7-27-90</u>	DATE <u>7-27-90</u>	DATE <u>7-27-90</u>	DATE <u>7-27-90</u>
TIME <u>04:30</u>	TIME <u>11:30</u>	TIME <u>14:40</u>	TIME <u>16:07</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>Don Harwood</u>	<u>3720 16773</u> <u>RLM</u>	<u>VERNON</u>
<u>W. YSTER</u>	<u>3720-574</u> <u>GLK</u>	<u>"</u>
<u>Bob Harwood</u>	<u>372048</u> <u>P.I.</u>	<u>"</u>

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER		

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL-API

DISPL. FLUID _____ DENSITY _____ LB/GAL-API

PROP. TYPE _____ SIZE _____ LB.

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

ACID TYPE _____ GAL _____ %

SURFACTANT TYPE _____ GAL _____ IN.

NE AGENT TYPE _____ GAL _____ IN.

FLUID LOSS ADD. TYPE _____ GAL-LB. _____ IN.

GELLING AGENT TYPE _____ GAL-LB. _____ IN.

FRIC. RED. AGENT TYPE _____ GAL-LB. _____ IN.

BREAKER TYPE _____ GAL-LB. _____ IN.

BLOCKING AGENT TYPE _____ GAL-LB. _____

PERFPAC BALLS TYPE _____ QTY. _____

OTHER _____

OTHER _____

DEPARTMENT 503

DESCRIPTION OF JOB SURFACE

JOB DONE THRU: TUBING CASING ANNULUS TBG/ANN.

CUSTOMER REPRESENTATIVE X Beep Elliott

HALLIBURTON OPERATOR Bob Harwood COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>25</u>	<u>50/50 Poz</u>			<u>50/50 Poz</u>		
<u>2</u>	<u>415</u>	<u>TD I</u>			<u>1/4" Flocite, 2"/cc</u>	<u>1.18</u>	<u>9.24</u>

PRESSURES IN PSI

CIRCULATING _____ DISPLACEMENT _____

BREAKDOWN _____ MAXIMUM _____

AVERAGE _____ FRACTURE GRADIENT _____

SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____

HYDRAULIC HORSEPOWER _____

ORDERED _____ AVAILABLE _____ USED _____

AVERAGE RATES IN BPM _____

TREATING _____ DISPL _____ OVERALL _____

CEMENT LEFT IN PIPE _____

FEET _____ REASON _____

SUMMARY

VOLUMES

PRESLUSH: BBL-GAL 1.208 TYPE Gel

LOAD & BKDN: BBL-GAL 2.25 PAD: BBL-GAL _____

TREATMENT: BBL-GAL 3.870 DISPL: BBL-GAL _____

CEMENT SLURRY: BBL-GAL 2.5

TOTAL VOLUME: BBL-GAL _____

REMARKS

See Job Log

CUSTOMER: COCKRILL
LEASE: 511
WELL NO: 3
JOB TYPE: SURFACE
DATE: 7-27-90

**WORK ORDER CONTRACT
AND PRE-TREATMENT DATA**

ATTACH TO INVOICE & TICKET NO. 906365

DISTRICT DENVER

DATE 7-29-90

TO: **HALLIBURTON SERVICES** YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO: COLLIER (CUSTOMER)
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 3 LEASE SH 10014 SEC. 14 TWP. 12S RANGE 10E

FIELD _____ COUNTY CARBON STATE U.T OWNED BY SAME

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
CASING		<u>N</u>	<u>33"</u>	<u>7 5/8</u>	<u>SDF</u>	<u>262.98</u>	<u>400</u>
LINER							
TUBING							
OPEN HOLE							
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____

PROV. DE MIN + EQUIPMENT FOR SURFACE JOB AS
INSTR. FOR COMPANY MAN

CUSTOMER OR HIS AGENT WARRANTS THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

- As consideration, the above-named Customer agrees: THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price list. Invoices are payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ attorneys to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account.
 - To defend, indemnify, release and hold harmless Halliburton, its divisions, subsidiaries, parent and affiliated companies and the officers, directors, employees, agents and servants of all of them from and against any claims, liability, expenses, attorneys fees, and costs of defense to the extent permitted by law for:
 - Damage to property owned by, in the possession of, or leased by Customer, and/or the well owner (if different from Customer), including, but not limited to, surface and subsurface damage. The term "well owner" shall include working and royalty interest owners.
 - Reservoir, formation, or well loss or damage, subsurface trespass or any action in the nature thereof.
 - Personal injury or death or property damage (including, but not limited to, damage to the reservoir, formation or well), or any damages whatsoever, growing out of or in any way connected with or resulting from pollution, subsurface pressure, losing control of the well and/or a well blowout or the use of radioactive material.

The defense, indemnity, release and hold harmless obligations of Customer provided for in this Section b) and Section c) below shall apply to claims or liability even if caused or contributed to by Halliburton's negligence, strict liability, or the unseaworthiness of any vessel owned, operated, or furnished by Halliburton or any defect in the data, products, supplies, materials, or equipment of Halliburton whether in the preparation, design, manufacture, distribution, or marketing thereof, or from a failure to warn any person of such defect. Such defense, indemnity, release and hold harmless obligations of Customer shall not apply where the claims or liability are caused by the gross negligence or willful misconduct of Halliburton. The term "Halliburton" as used in said Sections b) and c) shall mean Halliburton, its divisions, subsidiaries, parent and affiliated companies, and the officers, directors, employees, agents and servants of all of them.
 - That because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the effectiveness of the products, supplies or materials, nor the results of any treatment or service, nor the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be liable for and Customer shall indemnify Halliburton against any damages arising from the use of such information.
 - That Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - That Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - To waive the provisions of the Deceptive Trade Practices - Consumer Protection Act, to the extent permitted by law.
 - That this contract shall be governed by the law of the state where services are performed or materials are furnished.
 - That Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT.

SIGNED Bud Bennett CUSTOMER

DATE _____

TIME _____ A.M. P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER



HALLIBURTON SERVICES

Duncan, Oklahoma 73536

A Division of Halliburton Company

TICKET

NO. 906585-9

PAGE 1 OF PAGES

FORM 1906 R-11

WELL NO. - FARM OR LEASE NAME 3		COUNTY CARSON	STATE U. T.	CITY / OFFSHORE LOCATION Price	DATE 7 29
CHARGE TO COCK REIL		OWNER SAAR	TICKET TYPE (CHECK ONE) SERVICE <input checked="" type="checkbox"/> SALES <input type="checkbox"/>		NITROGEN JOB YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
ADDRESS COCK REIL		CONTRACTOR LEON ROSS	LOCATION 1		CODE SSRS
CITY, STATE, ZIP		SHIPPED VIA	FREIGHT CHARGES <input type="checkbox"/> PPD <input type="checkbox"/> COLLECT	LOCATION 2	CODE
WELL TYPE	WELL CATEGORY	WELL PERMIT NO.	DELIVERED TO Loc	LOCATION 3	CODE
TYPE AND PURPOSE OF JOB SURFACE		B-	ORDER NO.	REFERRAL LOCATION	

As consideration, the above-named Customer agrees to pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists. Invoices payable NET by the 20th of the following month after date of invoice. Upon Customer's default in payment of Customer's account by the last day of the month following the month in which the invoice is dated, Customer agrees to pay interest thereon after default at the highest lawful contract rate applicable, but never to exceed 18% per annum. In the event it becomes necessary to employ an attorney to enforce collection of said account, Customer agrees to pay all collection costs and attorney fees in the amount of 20% of the amount of the unpaid account. These terms and conditions shall be governed by the law of the state where services are performed or equipment or materials are furnished.

Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and customer's exclusive remedy in any cause of action (whether in contract, tort, product liability, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.

PRICE REFERENCE	SECONDARY REF OR PART NO.	L O C.	ACCOUNT	DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT
					QTY	MEAS	QTY	MEAS		
mm-117				MILEAGE 3788 76773	75	m.	62		223	25
01-016				PUMP CHARGE	626	98	626	98		835 00
01-014				HALLIBURTON GEL	4	SKS			37	150 00
01-003				TOP Plug	1	EA			59	59 00
<p>← SPECIAL DISCOUNT →</p> <p>1170.94</p>										

AS PER ATTACHED BULK MATERIAL DELIVERY TICKET NO. **B- 876328** **627571**

WAS JOB SATISFACTORILY COMPLETED? _____

WAS OPERATION OF EQUIPMENT SATISFACTORY? _____

WAS PERFORMANCE OF PERSONNEL SATISFACTORY? _____

X Bill Elliott
CUSTOMER OR HIS AGENT (PLEASE PRINT)

X [Signature]
CUSTOMER OR HIS AGENT (SIGNATURE)

WE CERTIFY THAT THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED HAS BEEN COMPLIED WITH IN THE PRODUCTION OF GOODS AND OR WITH RESPECT TO SERVICES FURNISHED UNDER THIS CONTRACT.

[Signature]
HALLIBURTON OPERATOR

HALLIBURTON APPROVAL _____

CUSTOMER

SUB TOTAL **635202**

APPLICABLE TAXES WILL BE ADDED ON INVOICE.

RECEIVED

AUG 29 1990

DIVISION OF
OIL, GAS & MINING

Cockrell Oil Corp.
Shimmin Trust 3~~3~~
Section 14
Township 12S
Rnage 10E
County Carben
Grace #179
8-6-90
Tested by Bryan Ross
43-007-30119

OIL AND GAS	
DFN	RJF
JRB	GLH
DTS	SLS
1 JLT	
2	MICROFILM ✓
3	FILE

QUICK TEST INC.
OFFICE (801) 789-8159

Cockrell Oil Corp.
Shimmin Trust #3
8-6-90

TEST #	ITEM TESTED	PRESSURE	MIN. HELD	RESULTS
1	Dart valve	3000	10	No visible leaks
2	TIW valve	3000	10	No visible leaks
3	Pipe Rams, 1st choke, 1st kill	3000	10	No visible leaks
4	Pipe Rams, 2nd choke, 2nd kill	3000	10	No visible leaks
5	Hydril, 2nd choke, 2nd kill	1500	10	No visible leaks
6	Blind Rams, inside valves on choke manifold	3000	10	No visible leaks
7	Blind Rams, outside valve on choke manifold	3000	10	No visible leaks
8	Blind Rams, manual choke	3000	30	No visible leaks
9	Blind Rams, casing	1000	30	No visible leaks
10	Lower kelly	3000	10	No visible leaks
11	Upper kelly	3000	10	No visible leaks
12	Blind Rams, casing retest	1500	30	No visible leaks
13	Pipe Rams, 1st choke, 1st kill	2000	10	No visible leaks

80 PAPER, INC. U.S.A. 8

10 11 12 1 2 3 4 5 6 7 8 9

DAY

NIGHT

TEJAS
INSTRUMENT ENGINEERS

Cockrell Oil Corp

METER NUMBER

TUBE & ORIF. SIZE

TIME PUT ON

TIME TAKEN OFF

DATE PUT ON

DATE TAKEN OFF

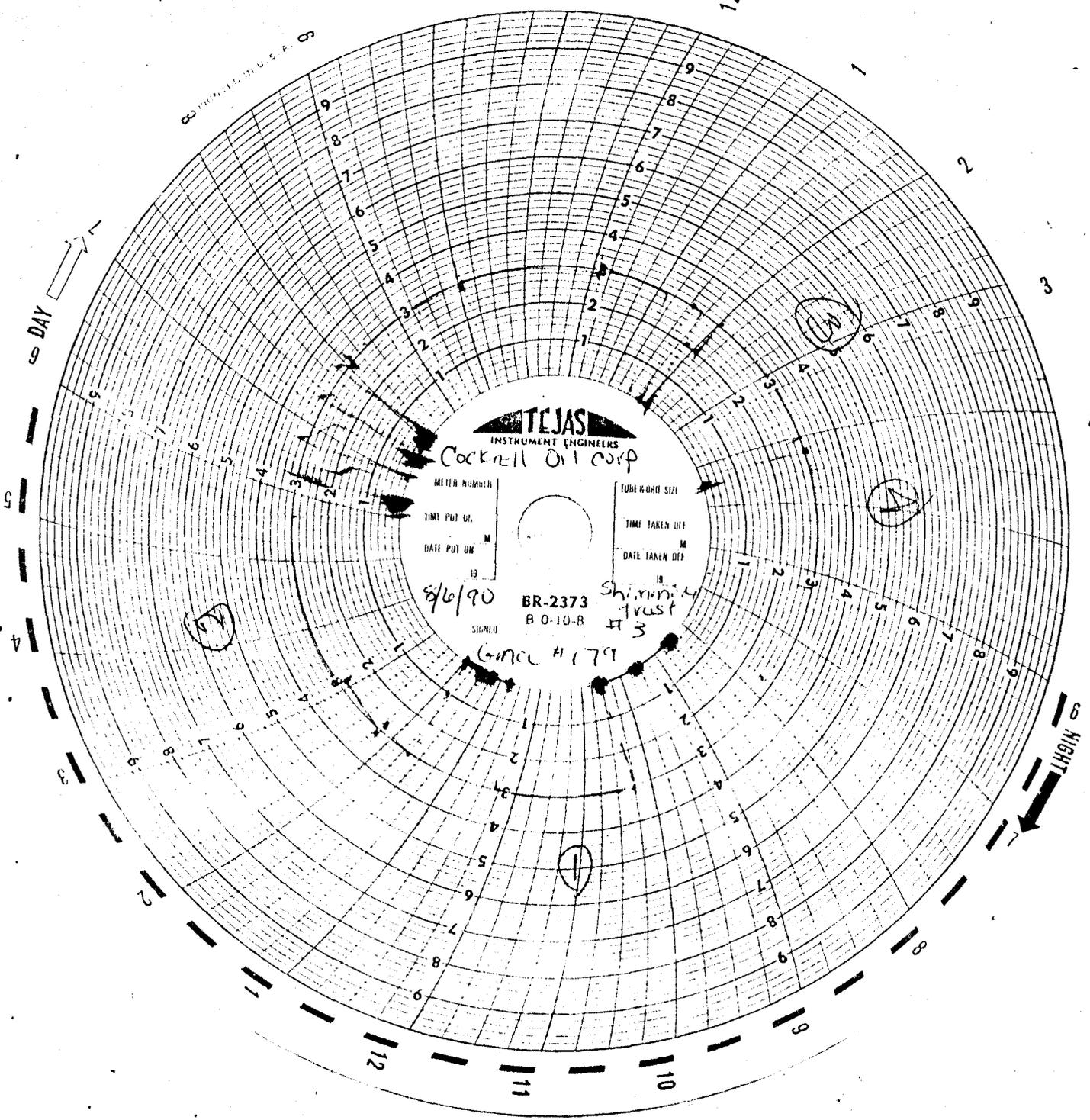
8/6/90

BR-2373

Shimizu
Trust

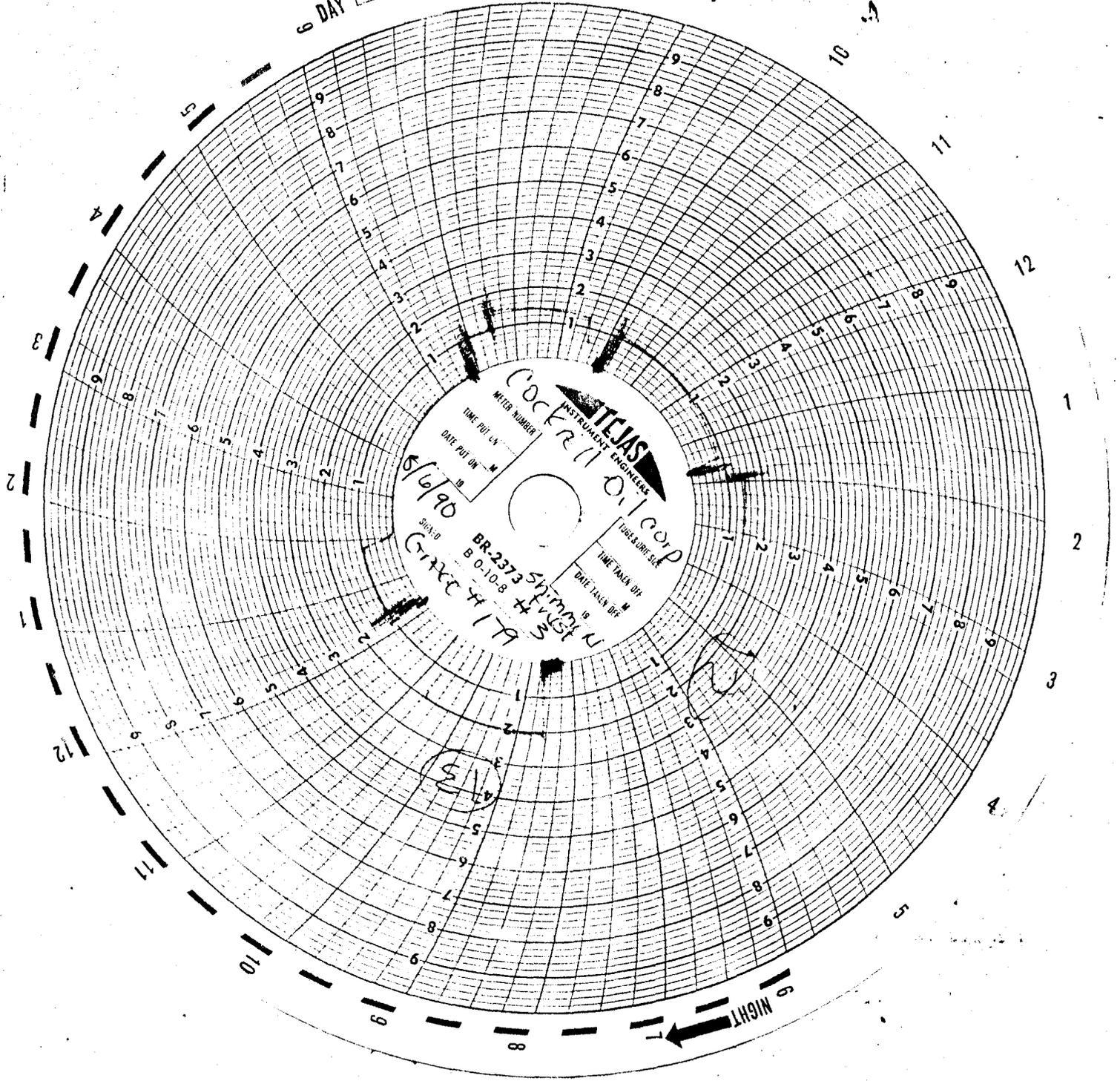
B 0-10-8

Serial # 179



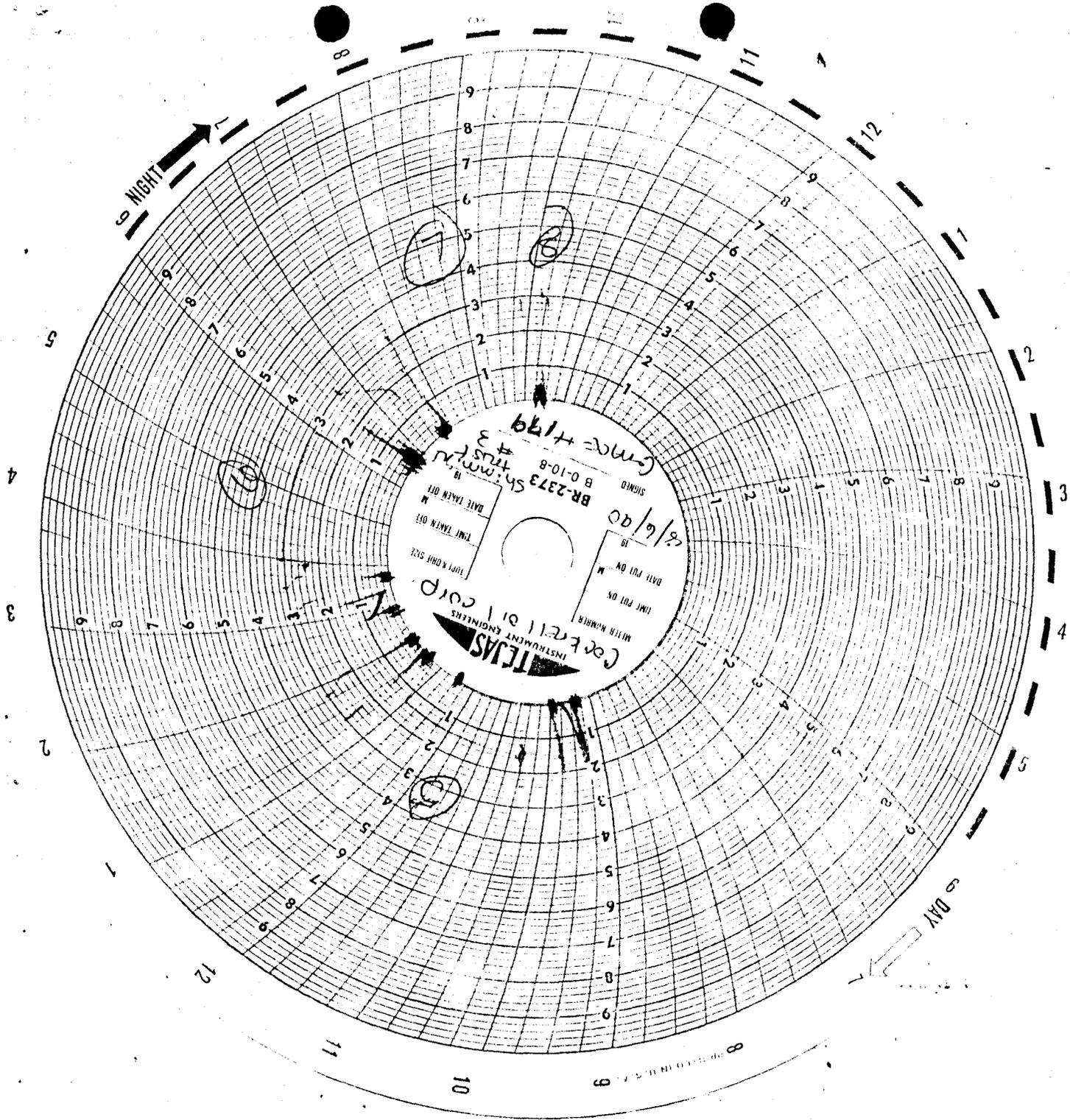
DAY

10 11 12



NIGHT

10 11 12



NIGHT

DAY

BR-2373 Sh: mwt
B-0-10-8
Gmpe + 199
8/6/00
MITH NUMBER
DATE PUT ON
TIME TAKEN ON
DATE TAKEN OFF
TIME TAKEN OFF
MITH NUMBER
DATE PUT ON
TIME TAKEN ON
DATE TAKEN OFF
TIME TAKEN OFF

TEXAS
INSTRUMENT ENGINEERS
CORPORATION

DAY

1

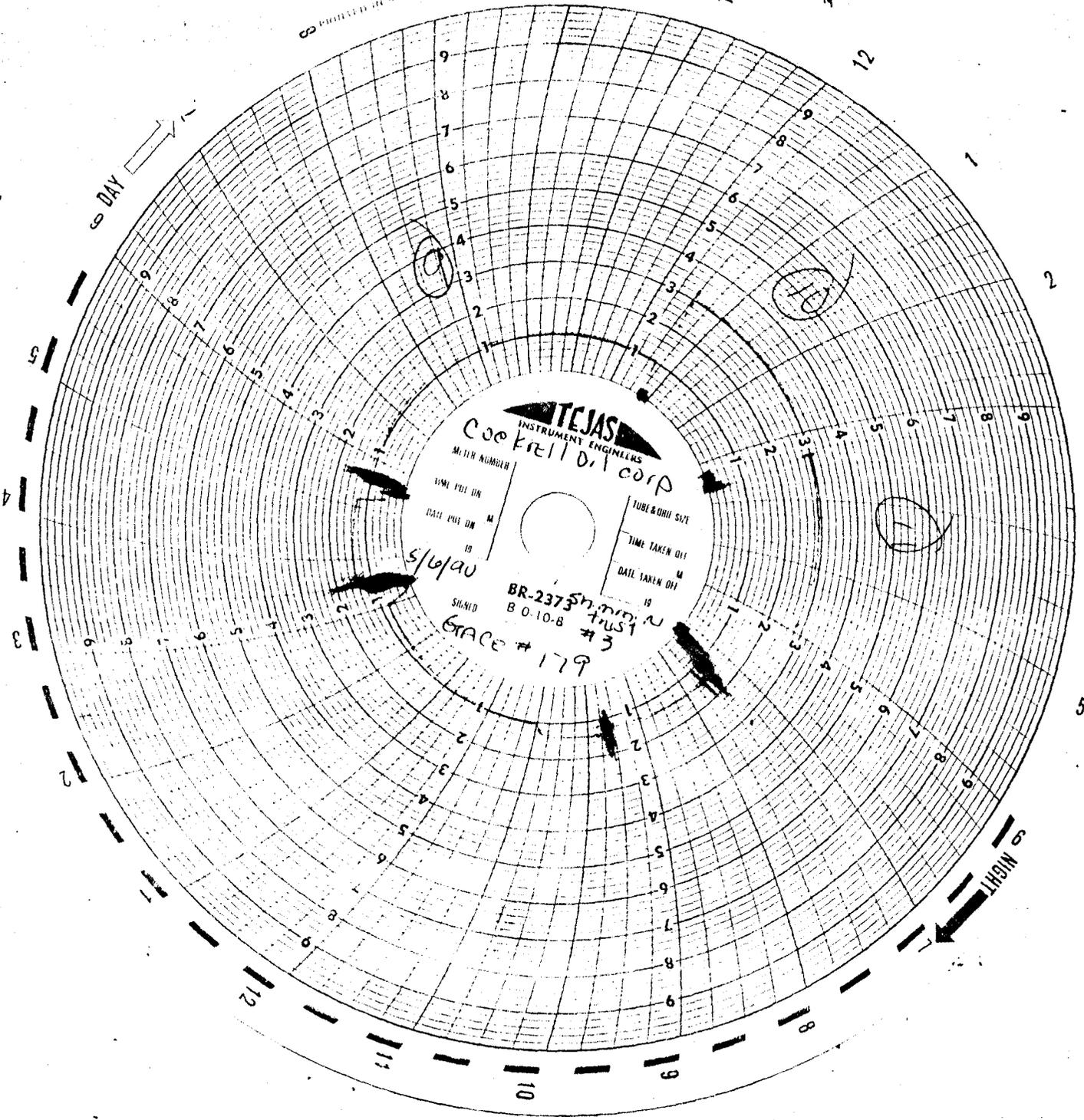
2

3

4

5

NIGHT



TEJAS
 INSTRUMENT ENGINEERS
 Co. Krell Oil Corp

METER NUMBER

TIME PUT ON

DATE PUT ON

IS

5/10/20

SIGNED

BR-2373

B O-10-8

GRADE # 179

TUBE OHM SIZE

TIME TAKEN OFF

DATE TAKEN OFF

IS

BR-2373

B O-10-8

GRADE # 179

9

10

11

12

1

2

3

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12

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING AND WELL PLUGGING INSPECTION FORM

DATE

657-6824

COMPANY: COCKRELL OIL CORP. COMPANY MAN: SHELBY HENNLEY
WELL NAME: SHIMMIN TEST NR 3 API #: 43 007 3019
QTR/QTR: SE NW SECTION: 14 TWP: 12 S. RANGE: 10 E.
CONTRACTOR: GRACE RIG NR 179 PUSHER/DRLR: _____
INSPECTOR: MICHAEL HANE DATE: 8/22/90 OPERATIONS: PREPARING FOR DST.
SPUD DATE: _____ TOTAL DEPTH: 3837 CURRENT TD

DRILLING AND COMPLETIONS

APD WELL SIGN BOPE _____ RESERVE PIT
_____ FLARE PIT _____ BURN PIT _____ H2S _____ BLOOIE LINE
 SANITATION HOUSEKEEPING _____ VENTED/FLARED

PLUGGING AND ABANDONMENT

PRODUCING FM(S): _____

PLUGS:	TYPE/SIZE	INTERVAL
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

PERFORATIONS: _____

CASING SIZE: _____ PULLED: YES / NO CUT AT: _____

PLUGS TESTED: _____ HOW: _____ WOC: _____

MARKER: _____ SURFACE: _____ PLATE: _____

RECLAMATION:

CONTOURED: _____ RIPPED: _____ REHAB'D: _____

LEGEND: (Y)-YES (P)-PROBLEM (U)-UNKNOWN (BLANK)-NOT APPLICABLE

REMARKS: DRILLING AHEAD - PREPARING FOR DST. CLEAN LOCATION,
FENCED PIT. RIG WILL MOVE TO U24 WITHIN 7-10 DAYS.
WELL SIGN TO BE INSTALLED WITHIN 48 HRS.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
SEP 10 1990

DIVISION OF OIL, GAS & MINING

3. LEASE DESIGNATION & SERIAL NO. 11096	
4. IF INDIAN, ALLOTTEE OR TRIBE NAME	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER Coalbed Methane	7. LEASE AGREEMENT NAME
2. NAME OF OPERATOR Cockrell Oil Corporation	
8. FARM OR LEASE NAME Shimmin Trust	
3. ADDRESS OF OPERATOR 1600 Smith, Suite 4600, Houston, Tx 77002	
9. WELL NO. 3	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1780' FWL, 1980' FEL At proposed prod. zone	
10. FIELD AND POOL, OR WILDCAT Wildcat	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SENW S14, T12S, R10E	
14. API NO. 43-007-30119 DR	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
12. COUNTY Carbon	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Monthly Report</u>	
(Other)		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

MI & RU Leon Ross #6. Spudded well on 7/25/90. Drld to 650'. Ran 23# WC-50 8-5/8" csg on 7/29/90. Set @ 630'. RD Leon Ross #6. RU Grace Rig #179 on 8/6/90. Drld and surveyed to 4425'. Ran 5-1/2" 17# WC-70 LT&C csg. Set @ 4425'. Circ and cemented. ND BOP's. Set csg slips & installed tbg head. Released Grace Rig #179 on 8/27/90. MI & RU Western Oil Well Service Rig #22 on 8/31/90. Now drig ahead @ 4468'.

OIL AND GAS	
DTN	RJF
JPB	GLH
DIS	SLS
1 - DME ✓	
2 - MICROFILM ✓	

18. I hereby certify that the foregoing is true and correct

SIGNED Duty Dray for BE Weichman Geologist DATE 9/5/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
NOV 16 1990

LEASE DESIGNATION & SERIAL NO.
DIVISION OF
OIL GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Coalbed Methane Test Well		6. IF INDIAN ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Cockrell Oil Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1600 Smith Street, Suite 4600, Houston, Texas 77002		8. FARM OR LEASE NAME Shimmin Trust	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1780' FWL, 1980' FZL At proposed prod. zone		9. WELL NO. 3	
14. API NO. 43-007-30119 <i>DRL</i>		15. ELEVATIONS (Show whether DF, RT, GR, etc.) 7575' GR	
		10. FIELD AND POOL, OR WILDCAT Wildcat	11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA SENW S14-T12S-R10E
		12. COUNTY Carbon	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Monthly Report</u>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

TIH & set retrievable Bridge Plug at 4415' on 9/13/90. Perf'd 4249'-52' and 4279'-90' on 9/24/90 w/4 SPF. Frac'd perfs on 9/25/90. Syabbed hole clean. Now waiting on pumping unit.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Geologist DATE 11/12/90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
DEC 14 1990

1. LEASE DESIGNATION & SERIAL NO. 11096	
2. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. UNIT AGREEMENT NAME	
4. FARM OR LEASE NAME Shimmin Trust	
5. WELL NO. 3	
6. FIELD AND POOL, OR WILDCAT Wildcat	
7. SEC., T., R., N., OR BLK. AND SURVEY OR AREA SENW S14-T12S-R10E	
8. COUNTY Carbon	9. STATE Utah
10. API NO. 43-007-30119 <i>DRL</i>	11. ELEVATIONS (Show whether DF, RT, GR, etc.) 7575' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Monthly Report</u>	
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Swab test previous perfs. Set Halliburton bridge plug at 4230' on 11/14/90. Perf'd 4019'-21' w/2 SPF, 4052'-57' w/4 SPF, 4070'-79' w/4 SPF, 4088'-90' w/2 SPF, 4103'-05' w/4 SPF, 4187'-91' w/2 SPF. Frac'd interval 4019'-4191' on 11/15/90 w/30,000 lbs 40/70 sand and 52000 lbs 20/40 sand. Swab test. Installed pumping unit. Well pumping.

18. I hereby certify that the foregoing is true and correct.

SIGNED *A. E. Weichman* TITLE Geologist DATE 12-5-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
11096

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Coalbed Methane

7. UNIT AGREEMENT NAME

1. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other OCT 22 1990

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
Cockrell Oil Corporation

9. WELL NO.
3

3. ADDRESS OF OPERATOR
1600 Smith Street, Suite 4600, Houston, TX 77002

10. FIELD AND POOL, OR WILDCAT
Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1780' FWL, 1980' FEL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SENW S14 - R12S - R10E

At top prod. interval reported below

At total depth

14. API NO. 43-007-30119 DATE ISSUED 6-13-90 12. COUNTY Carbon 13. STATE UT

15. DATE SPUDDED 7/25/90 16. DATE T.D. REACHED 9/6/90 17. DATE COMPL. (Ready to prod.) * (Plug & Abd.) 18. ELEVATIONS (DF, BKB, RT, CR, ETC.) 7575' GR 7590' KB 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4726' 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN HRSD - SDDSN - DIGL - MICRO 27. WAS WELL CORED YES NO (Submit analysis) DRILL STEM TEST YES NO (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	630'	12-1/4"	415 sx Prem +	86 Bbls
5-1/2"	17#	4425'	7-7/8"	1st Stage: 300 sx 50/50 Poz 63 Bbls 2nd Stage: 320 sx Silicalite	254 Bbls

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED [Signature] TITLE Geologist DATE 10/10/90

See Spaces for Additional Data on Reverse Side

*Well not yet completed for production

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:		38. GEOLOGIC MARKERS	
Formation	Top	Bottom	Description, contents, etc.
Castlegate	3136'	3414'	Sandstone and shale Sands are tight.
Name			
		Meas. Depth	Top
		Surface	150'
		North Horn	2657'
		Price River	3136'
		Castlegate	3414'
		Blackhawk	TD

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
11096

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other Coalbed Methane

7. UNIT AGREEMENT NAME

1. TYPE OF COMPLETION: NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. Other

8. NAME OR LEASE NAME

2. NAME OF OPERATOR
Cockrell Oil Corporation

9. WELL NO.
3

3. ADDRESS OF OPERATOR
1600 Smith Street, Suite 4600, Houston, TX 77002

10. FIELD AND POOL, OR WILDCAT
Wildcat

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1780' FWL, 1980' FNL

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA
SENW S14 - R12S - R10E

At top prod. interval reported below

At total depth

14. API NO. 43-007-30119
DATE ISSUED 6-13-90

12. COUNTY Carbon
13. STATE UT

15. DATE SPUNDED 7/25/90
16. DATE T.D. REACHED 9/6/90
17. DATE COMPL. (Ready to prod.) 11/21/90
18. ELEVATIONS (DP, BER, RT, CR, ETC.) 7575' GR 7590' KB
19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4726'
21. PLUG BACK T.D., MD & TVD
22. IF MULTIPLE COMPLET. HOW MANY
23. INTERVALS DRILLED BY
ROTARY TOOLS
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
See Attached Sheet

25. TYPE ELECTRIC AND OTHER LOGS RUN
HRSD - SDDSN - DIGL - MICRO 4-12-91
27. WAS WELL CORED YES NO (Submit analysis)
DRILL STEM TEST YES NO (See reverse side)

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	23#	630'	12-1/4"	415 sx Prem +	86 Bbls
5-1/2"	17#	4425'	7-7/8"	1st Stage: 300 sx 50/50 Poz 63 Bbls 2nd Stage: 320 sx Silicalite 254 Bbls	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
See Attached Sheet

32. ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD)
AMOUNT AND KIND OF MATERIAL USED
SEE ATTACHED SHEET

33. PRODUCTION

DATE FIRST PRODUCTION 11-21-90
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2 1/4" Tubing Pump
WELL STATUS (Producing or shut-in) Producing Water
DATE OF TEST 11-21-90
HOURS TESTED 14
CHOKE SIZE Open
PROD'N. FOR TEST PERIOD
OIL—BSL. -0-
GAS—MCF. -0-
WATER—BSL. 322
GAS-OIL RATIO -0-
FLOW. TUBING PRESS. -0-
CASING PRESSURE -0-
CALCULATED 24-HOUR RATE
OIL—BSL. -0-
GAS—MCF. -0-
WATER—BSL. 552
OIL GRAVITY-API (CORR.)

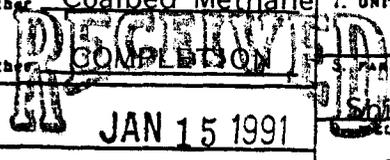
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED B. E. Weichman TITLE Geologist DATE 1/10/91

B. E. Weichman See Spaces for Additional Data on Reverse Side
(3/89)



INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:

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

Formation	Top	Bottom	Description, contents, etc.	38. GEOLOGIC MARKERS		
				Name	Meas. Depth	True Vert. Depth
Castlegate	3136'	3414'	Sandstone and shale Sands are tight.	Flagstaff North Horn Price River Castlegate Blackhawk	Surface 150' 2657' 3136' 3414'	150' 2657' 3136' 3414' TD



COCKRELL OIL
CORPORATION

1600 SMITH • SUITE 4600 • HOUSTON, TEXAS 77002-7348
TELEPHONE 713/651-1271

CERTIFIED MAIL

April 9, 1991

State of Utah
Department of Natural Resources
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Shimmin Trust Well No. 3
Carbon County, Utah

Attention: Vicki Carney

Gentlemen:

Enclosed for your records are the following logs as required by the Department of Natural Resources. The Completion Report has already been filed. I am requesting that these logs remain in the "confidential" status for the maximum amount of time.

Dual Induction Guard Log
Spectral Density Dual Spaced Neutron Log
Acoustic Cement Bond Log
MICRO Log

Thank you for your assistance in this matter.

Yours very truly,

Neil Henley
Engineer

NH:ys
Enclosures

RECEIVED

APR 12 1991

DIVISION OF
OIL GAS & MINING



State of Utah

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

Norman H. Bangertter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6121

RECEIVED

MAY 28 1991

DIVISION OF
OIL GAS & MINING

API Sec. 14, T. 12S, R. 10E

May 17, 1991

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

Mr. Ben Weichman
Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston Texas 77002-7348

Shimmin	Trust # 3	49-007-30119
"	"	1 } - 3 - 30120
"	"	2 } - 3 - 30121
"	"	5 } - 3 - 30122
"	"	4 } - 3 - 30123

COPIES SENT TO	
5-29-91	
FRm	
GLH	

RE: Cockrell Oil Corporation
UTG070036

Dear Mr. Weichman:

We have reviewed the information on the coalbed methane pilot wells submitted April 3, 1991. We remain concerned that the continued discharge of more than one (1) ton of salt per day at concentrations averaging more than 5000 mg/L do not reflect the information represented by your Company in the NOI.

We find the salinity study incomplete because there is no recommended action or costs of alternative plans. The discharge of two tons of salt per day exceeds the Colorado River Basin Salinity Control Forum's policy and could during times of surface runoff reach the Colorado River. Furthermore, our Ground Water Protection Section has reviewed the report and are concerned about the local ground water impacts of the well discharges. Seepage of this quality of water from the ponds and into dry washes appears to have potential to cause adverse effects upon ground water quality believed to have a total dissolved solid (TDS) concentration of approximately 600-800 mg/L.

Therefore, in accordance with Part I Section B5c it is determined that the conditions have changed so the discharge no longer qualifies for coverage by the general permit. Cockrell Oil Corporation is hereby required to apply for an individual discharge permit by June 30, 1991 if the discharge is to continue beyond that date. The application must also include additional salinity information specified by the Forum policy such as the recommended plan for reduction of the salt discharge. When an individual permit is issued the general permit coverage for these discharges will be automatically terminated.

In addition to the monthly TDS sampling currently required we request that Cockrell Oil:

Mr. Ben Weichman

Page 2

May 18, 1991

1. Within 7 days submit a plan and begin implementation of reducing the total TDS discharge to less than one ton per day as soon as possible as per the permit section III D. Duty to Mitigate or show cause why the discharges cannot be reduced and that there is no adverse impact.
2. Submit within 30 days a plan and schedule to eliminate the discharge as soon as possible of TDS greater than 720 mg/L from pond seepage and discharges to dry washes. This might include containment, reinjection, reverse osmosis, etc. An alternative might be to pipe the discharge to a stream segment with sufficient flow dilution.
3. Beginning the second quarter of 1991 perform quarterly replacement static acute tests of a representative outfall for Ceriodaphnia sp and fathead minnows in general accordance with procedures set out in the latest revision of Methods of Measuring the Acute Toxicity of Effluent to Freshwater and Marine Organisms. If a sample is found to be acutely toxic (50% or more mortality at any concentration) in a routine test, the whole effluent testing frequency for that discharge shall be weekly as per the enclosed accelerated testing and pattern of toxicity. We also are enclosing the requirements for a Preliminary Toxicity Investigation in the event that becomes necessary.
4. Sample each discharge monthly for total iron and submit the analysis with the TDS data on a monthly basis.
5. Resample discharge 001 for total lead and report the result within 30 days.

If you have any questions regarding the information requested, you should contact Steven McNeal of this office at (801) 538-6146.

Sincerely,

Utah Water Pollution Control Committee



Don A. Ostler, P.E.
Executive Secretary

Enclosure

FCP:SRM:st

cc: Division of Oil, Gas & Mining
Southeastern Utah District Health Department
District Engineer
EPA Region VIII, Water Management

S:WEICHMAN.LTR
FILE:UPDES



State of Utah
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

Norman H. Bangerter
Governor
Kenneth L. Alkema
Executive Director
Don A. Ostler, P.E.
Director

288 North 1460 West
Salt Lake City, Utah
(801) 538-6146
(801) 538-6016 Fax

Reply to: State of Utah
Division of Water Quality
Department of Environmental Quality
Salt Lake City, Utah 84114-4870

September 24, 1991

Mr. Ben Weichman
Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002-7348

SHIMMIN TRUST #1 43-007-30120
Sec. 11, T. 12S, R. 10E
#2 43-007-30121
Sec. 14, T. 12S, R. 10E
#3 43-007-30119
Sec. 14, T. 12S, R. 10E
#4 43-007-30123
Sec. 11, T. 12S, R. 10E
#5 43-007-30122 - Sec. 14,
T. 12S,
R. 10E

RE: UPDES Permit Application No. UT0025054

Dear Mr. Weichman:

This letter is to express our tentative decision in regard to the Cockrell Oil permit application for the Castlegate coalbed methane project. Although the original discharges were permitted by a general construction permit, the higher than expected total dissolved solids (TDS) has continued to concern us.

The July 16, 1991 sample analysis of 4804 mg/l indicates a concentration which would significantly degrade the receiving stream, particularly at low flow. According to the State's Antidegradation Policy, Utah Administrative Code (UAC) R448-8-2-3 "Waters whose existing quality is better than the established standards for the designated uses will be maintained at high quality unless it is determined by the [Board], after appropriate intergovernmental coordination and public participation in concert with the Utah continuing planning process, that allowing lower water quality is necessary to accommodate important economic or social development in the area in which the waters are located".

Furthermore, the Colorado River Basin Salinity Control Forum Intercepted Groundwater Policy provides the permitting authority the ability to waive or not to waive the "no salt" discharge requirement. This evaluation is made on a case-by-case basis, and considers the practicality of controlling, reducing or even eliminating the discharge of salt. Since the Company has prepared to drill an injection well, it is our determination that all of the water should be reinjected.

Therefore, we intend to not issue an individual permit and to terminate the general permit after providing you reasonable time to complete the injection well system. Your letter of August 28, 1991 states that the injection well should be completed before the end of 1991. If the disposal system is still scheduled to be completed by that time, we will proceed to public notice our intent to deny the individual permit and terminate the general permit at the end of the year. As an alternative, a less formal approach may be considered if you are in agreement with the above and

Mr. Ben Weichman
Page 2
September 24, 1991

wish to withdraw your individual permit application and inactivate coverage under the general permit at such time as the injection well is installed.

If you need to arrange a meeting to discuss this issue, please contact Steve McNeal of this office at (801) 538-6146.

Sincerely,

Utah Water Quality Board



Don A. Ostler, P.E.
Executive Secretary

DAO:SM:ja

cc: EPA Region VIII, Water Management
Southeastern Utah District Health Department
Division of Oil, Gas and Mining

S:BWEICHMA.LTR

TEMPORARY

RECEIVED

RECEIVED

FILING FOR WATER IN THE STATE OF UTAH

NOV 13 1991

OCT 28 1991

OCT 21 1991

Rec. by SS

Fee Rec. 30.00

Receipt # 31932

DIVISION OF OIL GAS & MINING

APPLICATION TO APPROPRIATE WATER

WATER RIGHTS Microfilmed _____ Roll # _____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements to Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

*WATER RIGHT NO. 91 - 4819 *APPLICATION NO. A T65703

1. *PRIORITY OF RIGHT: October 21, 1991 *FILING DATE: October 21, 1991

2. OWNER INFORMATION
Name(s): Cockrell Oil Corporation *Interest: _____ %
Address: 1600 Smith Suite 4600
City: Houston State: Texas Zip Code: 77002
Is the land owned by the applicant? Yes _____ No X (If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: Existing Underground cfs and/or 3.0 ac-ft.

4. SOURCE: Exploratory Wells *DRAINAGE: _____
which is tributary to _____
which is tributary to _____
POINT(S) OF DIVERSION: See Attachment #1 COUNTY: Carbon

Description of Diverting Works: 5 1/2 inch casing, 4425 ft. to 4667 ft. deep
*COMMON DESCRIPTION: 10 miles NE of Helper Matts Summit Quad

5. POINT(S) OF REDIVERSION
The water will be rediverted from _____ at a point:
N. 550 ft. & E. 1950 ft. from SW Cor. Sec. 11, T12S, R10E, SLB&M.

Description of Diverting Works: Portable pump to tank truck

6. POINT(S) OF RETURN
The amount of water consumed will be _____ cfs or 3.0 ac-ft.
The amount of water returned will be _____ cfs or _____ ac-ft.
The water will be returned to the natural stream/source at a point(s): _____

7. STORAGE
Reservoir Name: See Attachment #1 Storage Period: from _____ to _____
Capacity: _____ ac-ft. Inundated Area: _____ acres.
Height of dam: _____ feet
Legal description of inundated area by 40 acre tract(s): _____

* These items are to be completed by the Division of Water Rights

8. List any other water rights which will supplement this application _____

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other:	From <u>Oct. 5, 1991</u>	to <u>May 31, 1992</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
 Stockwatering (number and kind): _____
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine.
 Ores mined: _____
 Power: Plant name: _____ Type: _____ Capacity: _____
 Other (describe): Drilling of coalbed methane wells and a water disposal well,
Road Construction and Maintenance.

11. PLACE OF USE

Legal description of place of use by 40 acre tract(s): See Attachment #2

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of the same size if necessary):
Cockrell intends to drill the wells mentioned in Attachment #2 and requests permission to use the water produced from the 5 Shimmin Trust Wells for this purpose. The water is produced with methane gas from Mesaverde coals. This water is not tributary to any stream system; but, is confined in the coal beds until produced. Cockrell has leased the right for this operation from the owner.
Supplemental with Temporary Change Application #t91-91-09.

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

B. E. Weichman
 Signature of Applicant(s)*
 B. E. Weichman, Special Projects Manager

*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its authorized agent, or in the name of the partnership by one of the partners.

 Authorized Agent (please print)

 Authorized Agent (signature)

Attachment #1

Attachment to
APPLICATION TO APPROPRIATE WATER

Owner: Cockrell Oil Corporation
1600 Smith - Suite 4600
Houston, Texas 77002-7348
Phone: (713) 651-1271

- Item #4
1. Shimmin Trust #1 located 793 feet from the south line and 780 feet from the east line of Sec. 11, T12S, R10E. Drilled to a depth of 4,667 feet with 5-1/2" casing set to total depth.
 2. Shimmin Trust #2 located 1980 feet from the north line and 800 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,650 feet with 5-1/2" casing set to total depth.
 3. Shimmin Trust #3 located 1980 feet from the north line and 1780 feet from the west line of Sec. 14, T12S, R10E. Drilled to a depth of 4,425 feet with 5-1/2" casing set to total depth.
 4. Shimmin Trust #4 located 540 feet from the south line and 1900 feet from the west line of Sec. 11, T12S, R10E. Drilled to a depth of 4,631 feet with 5-1/2" casing set to total depth.
 5. Shimmin Trust #5 located 660 feet from the north line and 2340 feet from the east line of Sec. 14, T12S, R10E. Drilled to a depth of 4,485 feet with 5-1/2" casing set to total depth.

43-007-30120

43-007-30121

43-007-30119

43-007-30123

43-007-30122

Item #7 Water will be in temporary storage in pits at each well location as shown on the attached plat. Pits have been approved by the Oil and Gas Conservation Commission and vary in size with average size being 1,160 barrels or 48,720 gallons.

Date: October 1, 1991

Cockrell Oil Corporation

Attachment #2

Temporary Change Application
Number t91-91-09
Cockrell Oil Corporation
October 8, 1991

Proposed Well Locations
All locations in T12S, R10E, SLB&M:

- 1) 1210-0801: S. 415 ft. & W. 288 ft. from NE Cor. Sec. 8 (NE4NE4) 43-007-30107
- 2) 1210-0806: S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4) 43-007-30104
- 3) 1210-0708: S. 2000 ft. & W. 600 ft. from NE Cor. Sec. 7 (SE4NE4) 43-007-30113
- 4) 1210-0907: S. 2000 ft. & W. 2050 ft. from NE Cor. Sec. 9 (SW4NE4) 43-007-30107
- 5) 1210-0313: N. 750 ft. & E. 650 ft. from SW Cor. Sec. 3 (SW4SW4) 43-007-30106
- 6) 1210-1204: S. 1100 ft. & E. 1200 ft. from NW Cor. Sec. 12 (NW4NW4) 43-007-30106
- 7) 1210-1304: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 13 (NW4NW4) 43-007-30107
- 8) 1210-1504: S. 700 ft. & E. 500 ft. from NW Cor. Sec. 15 (NW4NW4) 43-007-30103
- 9) 1210-1609: N. 2000 ft. & W. 775 ft. from SE Cor. Sec. 16 (NE4SE4) 43-007-30105
- 10) 1210-1602: S. 700 ft. & W. 1900 ft. from NE Cor. Sec. 16 (NW4NE4) 43-007-30102
- 11) 1210-2302: S. 800 ft. & W. 1800 ft. from NE Cor. Sec. 23 (NW4NE4) 43-007-30131
- 12) 1210-2310: N. 2000 ft. & W. 1950 ft. from SE Cor. Sec. 23 (NW4SE4) 43-007-30106
- 13) 1210-2404: S. 1150 ft. & E. 1200 ft. from NW Cor. Sec. 24 (NW4NW4) 43-007-30109
- 14) 1210-2412: N. 2100 ft. & E. 475 ft. from SW Cor. Sec. 24 (NW4SW4) 43-007-30105

STATE ENGINEER'S ENDORSEMENT

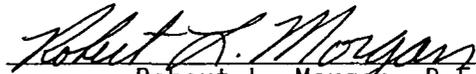
WATER RIGHT NUMBER: 91 - 4819

APPLICATION NO. T65703

1. October 21, 1991 Application received by JD.
 2. October 23, 1991 Application designated for APPROVAL by MP and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated November 8, 1991, subject to prior rights and this application will expire on November 8, 1992.


Robert L. Morgan, P.E.
State Engineer



West North Temple, Third Center, Suite 350, Salt Lake City, UT
180-1203, (801-538-5340)

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

RECEIVED

COCKRELL OIL CORPORATION
1600 Smith, Suite 4600
Houston, TX 77002-7348

DEC 09 1991

DIVISION OF
OIL GAS & MINING

Utah Account No. N1035

Report Period (Month/Year) 10/91

Amended Report

Well Name			Producing Zone	Days Oper	Production Volume		
API Number	Entity	Location			Oil (BBL)	Gas (MSCF)	Water (BBL)
4300730119	SHIMMIN TRUST #3	11096 12S 10E 14	MVRD	31	-0-	2,387	6,366
4300730120	SHIMMIN TRUST #1	11096 12S 10E 11	MVRD	30	-0-	1,926	5,677
4300730121	SHIMMIN TRUST #2	11096 12S 10E 14	MVRD	30	-0-	1,818	21,891
4300730122	SHIMMIN TRUST #5	11096 12S 10E 14	MVRD	30	-0-	3,120	14,315
4300730123	SHIMMIN TRUST #4	11096 12S 10E 11	MVRD	27	-0-	4,198	4,896
TOTAL					-0-	13,449	53,145

Comments (attach separate sheet if necessary) See Attachment "A" for gas tests

I have reviewed this report and certify the information to be accurate and complete. Date November 30, 1991

[Signature]
Authorized signature

Telephone 713/651-1271



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF WATER QUALITY

Norman H. Bangerter
Governor
Kenneth L. Alkema
Executive Director
Don A. Ostler, P.E.
Director

288 North 1460 West
Salt Lake City, Utah
(801) 538-6146
(801) 538-6016 Fax

Reply to: State of Utah
Division of Water Quality
Department of Environmental Quality
Salt Lake City, Utah 84114-4870

December 11, 1991

Mr. Ben Weichman
Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002-7348

RE: Total Dissolved Solids Limit
UPDES No. UT0025054

Dear Mr. Weichman:

We have reviewed your letter of November 12, 1991 regarding the proposed reverse osmosis treatment and discharge to Willow Creek of less than one ton of salt per day. Although that level of discharge would satisfy one portion of the Colorado River Basin Salinity Control Forum (Forum) requirements, it might not comply with the State Antidegradation Policy cited in our September 24, 1991 letter. A review of the data for Willow Creek indicates that the average total dissolved solids (TDS) for Willow Creek is between 430 and 600 mg/l. The maximum TDS listed was 814 mg/l for the years reviewed.

EPA has determined the TDS effluent limits for similar coalbed methane wells for the Southern Ute Indian Reservation to be an average of 500 mg/l and maximum of 1000 mg/l. This level of treatment would comply with the Forum guidelines and the Antidegradation Policy. Therefore, a TDS limit of 500 mg/l yearly average and 1000 mg/l daily maximum could be proposed for the company discharge.

You have indicated in conversation that this level of treatment might not be economically feasible. As stated in the Antidegradation Policy, public participation and the Utah Water Quality Board approval would be needed to allow a higher effluent limit.

If you have any questions regarding that process, please contact Fred Pehrson, Branch Manager of this office at (801) 538-6146.

Sincerely,

Utah Water Quality Board

Don A. Ostler, P.E.
Executive Secretary

DAO:SRM:ja

cc: EPA Region VIII, Water Management
Southeastern Utah District Health Dept
Division of Oil, Gas & Mining

S:COCKRELL.F2

RECEIVED

DEC 16 1991

DIVISION OF
OIL GAS & MINING

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

<p align="center">SUNDRY NOTICES AND REPORTS ON WELLS</p> <p><i>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— for such proposals</i></p>		6. Lease Designation and Serial Number 11096
		7. Indian Allottee or Tribe Name N/A
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) Coalbed Methane		8. Unit or Communitization Agreement N/A
2. Name of Operator Cockrell Oil Corporation		9. Well Name and Number Shimmin Trust #3
3. Address of Operator 1600 Smith, Suite 4600, Houston, TX 77002		10. API Well Number 43-007-30119
4. Telephone Number 713/651-1271		11. Field and Pool, or Wildcat Wildcat
5. Location of Well Footage : 1780' FWL & 1980' FNL QQ, Sec. T., R., M. : Section 14 - T12S - R10E County : Carbon State : UTAH		

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

<p>NOTICE OF INTENT (Submit in Duplicate)</p> <p><input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing</p> <p><input type="checkbox"/> Change of Plans <input type="checkbox"/> Recompletion</p> <p><input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Shoot or Acidize</p> <p><input type="checkbox"/> Fracture Treat <input type="checkbox"/> Vent or Flare</p> <p><input type="checkbox"/> Multiple Completion <input type="checkbox"/> Water Shut-Off</p> <p><input type="checkbox"/> Other _____</p>	<p>SUBSEQUENT REPORT (Submit Original Form Only)</p> <p><input type="checkbox"/> Abandonment <input type="checkbox"/> New Construction</p> <p><input type="checkbox"/> Casing Repair <input type="checkbox"/> Pull or Alter Casing</p> <p><input type="checkbox"/> Change of Plans <input type="checkbox"/> Shoot or Acidize</p> <p><input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Vent or Flare</p> <p><input type="checkbox"/> Fracture Treat <input type="checkbox"/> Water Shut-Off</p> <p><input checked="" type="checkbox"/> Other <u>Change of Operator</u></p>
Approximate Date Work Will Start _____	Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. 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.)

Change Operator to:

PG&E Resources, Inc.
P. O. Box 25655
Dallas, Texas 75225

RECEIVED
JUN 23 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature [Signature] Title Special Projects Mgr Date 6/22/92

(Use Only)

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

6. Lease Designation and Serial Number 11096
7. Indian Allottee or Tribe Name --
8. Unit or Communitization Agreement --

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 for such proposals.

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other (specify) CBM Well		9. Well Name and Number Shimmin Trust #3
2. Name of Operator PG&E Resources Company		10. API Well Number 43-007-30119
3. Address of Operator 5950 Berkshire Lane, Suite 600, Dallas, TX 75225	4. Telephone Number (214) 750-3988	11. Field and Pool, or Wildcat Wildcat
5. Location of Well Footage : 1780' FWL & 1980' FNL OO. Sec. T., R., M. : Section 14 T-12S, R-10E		County : Carbon State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other _____
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. 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.)

Please be advised PG&E Resources Company has acquired the above named well from Cockrell Oil Corporation, 1600 Smith Street, Suite 4600, Houston, TX 77002-7348 as of July 1, 1992.

Bond coverage for this well will be provided by Bond No. 8063-38-07 and by Bond No. 8057-26-00

RECEIVED
JUL 10 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature Jim LaFevers *Jim LaFevers* Title Reg. Affairs Super. Date 7/6/92
(State Use Only)



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 6, 1992

Cockrell Oil Corporation
1600 Smith, Suite 4600
Houston, Texas 77002

Gentlemen:

Re: Notification of Sale or Transfer of Fee Lease Interest - Township 12S, Range 10E, Carbon County, Utah

The division has received notification of a change of operator from Cockrell Oil Corporation to PG & E Resources Company for the following wells which are located on fee leases:

Shimmin Trust 1	43-007-30120	11-12S-10E
Shimmin Trust 2	43-007-30121	14-12S-10E
Shimmin Trust 3	43-007-30119	14-12S-10E
Shimmin Trust 4	43-007-30123	11-12S-10E
Shimmin Trust 5	43-007-30122	14-12S-10E

Rule R649-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease (working interest or royalty interest), when all or part of that interest in the lease is sold or transferred.

This letter is written to advise Cockrell Oil Corporation of its responsibility to notify all individuals with an interest in this lease of the change of operator. Please provide written documentation of this notification to the division no later than August 27, 1992.

Sincerely,

Don Staley
Administrative Manager
Oil and Gas

ldc
cc: R.J. Firth
WOI201

Routing:

1- LCK	7- LCK
2-DTS	TS
3-VLC	✓
4-RJF	✓
5-RWM	✓
6-ADA	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-92)

TO (new operator) <u>PG&E RESOURCES COMPANY</u>	FROM (former operator) <u>COCKRELL OIL CORPORATION</u>
(address) <u>5950 BERKSHIRE LN #600</u>	(address) <u>1600 SMITH STE 4600</u>
<u>DALLAS, TX 75225</u>	<u>HOUSTON, TX 77002</u>
phone (<u>214</u>) <u>750-3824</u>	phone (<u>713</u>) <u>651-1271</u>
account no. <u>N 0595(X)</u>	account no. <u>N 1035</u>

Well(s) (attach additional page if needed):

Name: <u>SHIMMIN TRUST 3/MVRD</u>	API: <u>43-007-30119</u>	Entity: <u>11096</u>	Sec <u>14</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 1/MVRD</u>	API: <u>43-007-30120</u>	Entity: <u>11096</u>	Sec <u>11</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 2/MVRD</u>	API: <u>43-007-30121</u>	Entity: <u>11096</u>	Sec <u>14</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 5/MVRD</u>	API: <u>43-007-30122</u>	Entity: <u>11096</u>	Sec <u>14</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: <u>SHIMMIN TRUST 4/MVRD</u>	API: <u>43-007-30123</u>	Entity: <u>11096</u>	Sec <u>11</u> Twp <u>12S</u> Rng <u>10E</u>	Lease Type: <u>FEE</u>
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____ Twp _____ Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 6-27-92)
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 7-10-92)
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____.
- N/A 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. 7-20-92
- See 6. Cardex file has been updated for each well listed above. 7-20-92
- See 7. Well file labels have been updated for each well listed above. 7-20-92
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. 7-20-92
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- JLP 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes no) ____ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only) #80572600 (\$50,000) "Federal Ins. Co." Released 7-20-92.
 #K1870145 (\$80,000) "United Pacific Ins. Co." Received 7-13-92

- JLP 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- 2. A copy of this form has been placed in the new and former operators' bond files. ** Upon completion of routing.*
- JLP 3. The former operator has requested a release of liability from their bond (yes no) ____ . Today's date June 25 1992 . If yes, division response was made by letter dated _____ 19____ . ** 920523 per phone conversation oper req. DOBm to keep bond in place.*

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- DTS 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 8/6 1992, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

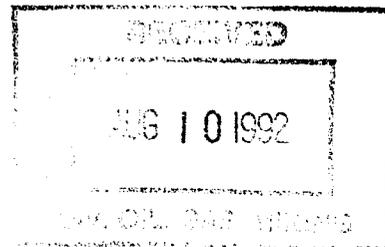
FILMING

- RHM 1. All attachments to this form have been microfilmed. Date: August 7 1992 .

FILING

- JLP 1. Copies of all attachments to this form have been filed in each well file.
- JLP 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS



August 6, 1992

Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Tammi Searing

Re: PG & E Resources Company
Castlegate Prospect
Application for Temporary Change
of Water 43007-30119
Carbon County, Utah

Dear Tammi,

Enclosed please find one copy of the Application for Temporary Change of Water for PG & E's Castlegate Prospect in Carbon County, Utah.

As you know, several Applications for Permit to Drill have already been submitted and several additional applications will be forthcoming.

In future applications I will reference the Change Application Number (t92-91-12 (91 Area), rather than send additional copies of this application.

If you should need additional information, please feel free to contact me.

Sincerely,

PERMITCO INC.

A handwritten signature in cursive script that reads "Lisa L. Smith".

Lisa L. Smith
Consultant for:
PG & E Resources Company

Enc.

cc: PG & E Resources - Dallas, TX
PG & E Resources - Vernal, UT

Permitco Incorporated
A Petroleum Permitting Company

13585 Jackson Drive Denver, Colorado 80241 (303) 452-8888



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Norman H. Bangertor, Governor
Dee C. Hansen, Executive Director
Robert L. Morgan, State Engineer.

Southeastern Area • 453 S. Carbon Avenue • P.O. Box 718 • Price, UT 84501-0718 • 801-637-1303

July 31, 1992

West Hazmat Oil Field Services Inc.
Attn: Dale Price
East Highway 40
Roosevelt, Utah 84066

Re: Temporary Change Application #t92-91-12
Expiration Date: November 30, 1992

Dear Mr. Price:

The above referenced Temporary Change Application is hereby approved, and a copy is enclosed for your information and records.

If you have any questions, please feel free to contact me.

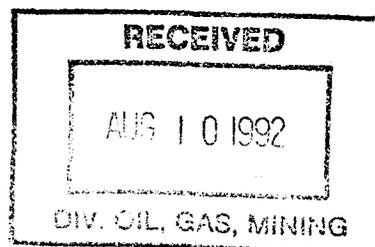
Sincerely,

William A. Wasmach

for Mark P. Page
Regional Engineer

cc: Bob Davis - Price River Commissioner

Enclosures
MPP/mjk



APPLICATION FOR TEMPORARY CHANGE OF WATER

AUG 10 1992
DIV. OIL, GAS, MINING

RECEIVED

STATE OF UTAH

Rec. by _____
Fee Paid \$ _____
Receipt # _____
Microfilmed _____
Roll # _____

WATER RIGHTS

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

*WATER RIGHT NO. 91 Area _____ *APPLICATION NO. 1 92 91 12

Changes are proposed in (check those applicable)

point of diversion. place of use. nature of use. period of use.

1. OWNER INFORMATION

Name: West Hazmat Oil Field Services Inc. *Interest: _____ %
Address: East Highway 40
City: Roosevelt State: Utah Zip Code: 84066

2. *PRIORITY OF CHANGE: July 31, 1992 *FILING DATE: July 31, 1992

Is this change amendatory? (Yes/No): No

3. RIGHT EVIDENCED BY: 91-366, Cert. #a229, Morse Decree First Class

Prior Approved Temporary Change Applications for this right: t91-91-09; t92-91-03; t92-91-04;
t92-91-05; t92-91-09; t92-91-10.

***** HERETOFORE *****

4. QUANTITY OF WATER: 7.98 cfs and/or _____ ac-ft.

5. SOURCE: Price River

6. COUNTY: Carbon

7. POINT(S) OF DIVERSION: _____
S. 560 ft. & E. 680 ft. from N $\frac{1}{2}$ Cor. Sec. 1, T14S, R9E, SLB&M.

Description of Diverting Works: Concrete diversion dam, earthen ditches

8. POINT(S) OF REDIVERSION

The water has been rediverted from _____ at a point: _____

Description of Diverting Works: _____

9. POINT(S) OF RETURN

The amount of water consumed is 7.98 cfs or _____ ac-ft.

The amount of water returned is _____ cfs or _____ ac-ft.

The water has been returned to the natural stream/source at a point(s): _____

*These items are to be completed by the Division of Water Rights.

10. NATURE AND PERIOD OF USE

Irrigation: From March 1 to November 30
 Stockwatering: From _____ to _____
 Domestic: From _____ to _____
 Municipal: From _____ to _____
 Mining: From _____ to _____
 Power: From _____ to _____
 Other: From _____ to _____

11. PURPOSE AND EXTENT OF USE

Irrigation: 12,576.07 acres. Sole supply of 488.10 acres.
 Stockwatering (number and kind): _____
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District in the _____ Mine.
 Ores mined: _____ Type: _____ Capacity: _____
 Power: Plant name: _____
 Other (describe): _____

12. PLACE OF USE

Legal description of place of use by 40 acre tract(s): Carbon Canal Delivery System

13. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
 Capacity: _____ ac-ft. Inundated Area: _____ acres.
 Height of dam: _____ feet.
 Legal description of inundated area by 40 tract(s): _____

***** THE FOLLOWING CHANGES ARE PROPOSED *****

14. QUANTITY OF WATER: _____ cfs and/or 13.0 ac-ft.
 15. SOURCE: 1) Willow Creek 2) Underground Exploratory Wells
 Balance of the water will be abandoned: _____, or will be used as heretofore: X
 16. COUNTY: Carbon
 17. POINT(S) OF DIVERSION: See Attached Sheet

Description of Diverting Works: 1) Portable pump to tank truck 2) Existing 5 1/2" casing,
4425 to 4667 feet deep
 *COMMON DESCRIPTION: 10 miles NE of Helper Matts Summit Quad

18. POINT(S) OF REDIVERSION

The water will be rediverted from _____ at a point: _____
 Description of Diverting Works: _____

19. POINT(S) OF RETURN

The amount of water to be consumed is _____ cfs or 13.0 ac-ft.
 The amount of water to be returned is _____ cfs or _____ ac-ft.
 The water will be returned to the natural stream/source at a point(s): _____

-20. NATURE AND PERIOD OF USE

Irrigation: From ___/___/___ to ___/___/___
 Stockwatering: From ___/___/___ to ___/___/___
 Domestic: From ___/___/___ to ___/___/___
 Municipal: From ___/___/___ to ___/___/___
 Mining: From ___/___/___ to ___/___/___
 Power: From ___/___/___ to ___/___/___
 Other: From 7/31/92 to 11/30/92

21. PURPOSE AND EXTENT OF USE

Irrigation: _____ acres. Sole supply of _____ acres.
 Stockwatering (number and kind): _____
 Domestic: _____ Families and/or _____ Persons.
 Municipal (name): _____
 Mining: _____ Mining District at the _____ Mine.
 Ores mined: _____
 Power: Plant name: _____ Type: _____ Capacity: _____
 Other (describe): Exploration drilling, road construction, dust suppression

22. PLACE OF USE

Legal description of place of use by 40 acre tract(s): See Attached Sheet

23. STORAGE

Reservoir Name: _____ Storage Period: from _____ to _____
 Capacity: _____ ac-ft. Inundated Area: _____ acres.
 Height of dam: _____ feet.
 Legal description of inundated area by 40 tract(s): _____

24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary):
This Temporary Change Application is being filed to replace t91-91-09 & t92-91-10 to correct the points of diversion and place of use. To date approximately 0.77 AF has been utilized under t91-91-09.

 The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

Dale Price
 Signature of Applicant(s)

West Hazmat Oil Field Services Inc.
 Temporary Change Application
 #t92-91-12 (91 Area)
 July 31, 1992

#17 Points of Diversion:

Willow Creek:

N. 320 ft. & W. 290 ft. from SE Cor. Sec. 3, T12S, R20E, SLB&M.

Shimmin Trust Wells:

Shimmin Trust #1: N. 793 ft. & W. 780 ft. from SE Cor. Sec. 11;
 Shimmin Trust #2: S. 1980 ft. & W. 800 ft. from NE Cor. Sec. 14;
 Shimmin Trust #3: S. 1980 ft. & E. 1780 ft. from NW Cor. Sec. 14;
 Shimmin Trust #4: N. 540 ft. & E. 1900 ft. from SW Cor. Sec. 11;
 Shimmin Trust #5: S. 660 ft. & W. 2340 ft. from NE Cor. Sec. 14;
 all T12S, R10E, SLB&M.

43-007-30119

#22 Place of Use:

1210-0806: S. 2400 ft. & E. 1769 ft. from NW Cor. Sec. 8 (SE4NW4)
 #7-9 Federal: S. 2109 ft. & W. 2038 ft. from NE Cor. Sec. 9 (SW4NE4)
 #4-15 Federal: S. 660 ft. & E. 450 ft. from NW Cor. Sec. 15 (NW4NW4)
 #4-13 Federal: S. 1174 ft. & E. 1168 ft. from NW Cor. Sec. 13 (NW4NW4)
 #9-10 Jensen: N. 2500 ft. & W. 1020 ft. from SE Cor. Sec. 10 (NE4SE4)
 #2-16 State: S. 780 ft. & W. 1971 ft. from NE Cor. Sec. 16 (NW4NE4)
 #9-16 State: N. 1993 ft. & W. 702 ft. from SE Cor. Sec. 16 (NE4SE4)
 #11-10 Jensen: N. 1650 ft. & E. 1650 ft. from SW Cor. Sec. 10 (NE4SW4)
 #5-10 Jensen: S. 1680 ft. & E. 660 ft. from NW Cor. Sec. 10 (SW4NW4)
 #16-10 Jensen: N. 330 ft. & W. 330 ft. from SE Cor. Sec. 10 (SE4SE4)
 #7-15 Jensen: S. 1650 ft. & W. 1650 ft. from NE Cor. Sec. 15 (SW4NE4)
 #11-11 Shimmin Trust: N. 2350 ft. & E. 1500 ft. from SW Cor. Sec. 11 (NE4SW4)
 #10-11 Shimmin Trust: N. 2300 ft. & W. 1850 ft. from SE Cor. Sec. 11 (NW4SE4)
 #12-12 Shimmin Trust: N. 2310 ft. & E. 990 ft. from SW Cor. Sec. 12 (NW4SW4)
 #14-12 Shimmin Trust: N. 660 ft. & E. 1980 ft. from SW Cor. Sec. 12 (SE4SW4)
 #11-15 Jensen: N. 1850 ft. & E. 1650 ft. from SW Cor. Sec. 15 (NE4SW4)
 #16-9 Jensen: N. 1150 ft. & W. 1150 ft. from SE Cor. Sec. 9 (SE4SE4)
 #16-15 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 15 (SE4SE4)
 #14-14 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 14 (SE4SW4)
 #14-16 Federal: N. 990 ft. & W. 990 ft. from SE Cor. Sec. 14 (SE4SE4)
 #14-13 Federal: N. 990 ft. & E. 1650 ft. from SW Cor. Sec. 13 (SE4SW4)
 All T12S, R10E, SLB&M.

Alternate Wells:

#12-9 Jensen: N. 2054 ft. & E. 592 ft. from SW Cor. Sec. 9 (NW4SW4)
 #14-9 Jensen: N. 675 ft. & E. 2170 ft. from SW Cor. Sec. 9 (SE4SW4)
 #4-16 State: S. 922 ft. & E. 750 ft. from NW Cor. Sec. 16 (NW4NW4)
 #11-16 State: N. 1980 ft. & E. 1980 ft. from SW Cor. Sec. 16 (NE4SW4)
 All T12S, R10E, SLB&M.

STATE ENGINEER'S ENDORSEMENT

TEMPORARY CHANGE APPLICATION NUMBER: t92-91-12

- 1. July 31, 1992 Change Application received by BW.
- 2. July 31, 1992 Application designated for APPROVAL by MP.
- 3. Comments:

Conditions:

This application is hereby APPROVED, dated July 31, 1992, subject to prior rights and this application will expire on November 30, 1992.

for William A. Blumbeck
 Mark Page, Area Engineer
 for
 Robert L. Morgan, State Engineer

Clark Clement
Stan Goodrich
Rick Von Flatern
Wayne Sutton
John Wingert
Will Paulsen

CASTLEGATE PROJECT
SHIMMIN TRUST NO. 3
SECTION 14-12S-10E, SE, NE
CARBON CO., UTAH
AFE # _____
SEPTEMBER 21, 1993

Glenn Bultmann
Jeff Hart
Randy Miller
Mike McMican
Well File

PURPOSE:

THIS PRODUCING WELL WAS PURCHASED FROM COCKRELL IN 6/92. THE LOWER BLACK HAWK COAL SEAM INTERVAL WHICH IS CURRENTLY OPEN WILL BE TREATED WITH PRODUCED WATER AND BREAKER SINCE THE ORIGINAL FRAC JOB DID NOT CONTAIN GEL BREAKER.

THE UPPER BLACK HAWK COAL SEAM INTERVAL WILL BE PERFORATED AND FRACTURE-TREATED JUST AS THE 20 NEWLY-COMPLETED WELLS WERE STIMULATED. PRIOR TO PERFORATING THE UPPER ZONE, A CEMENT SQUEEZE JOB WILL HAVE TO BE PERFORMED SINCE THE TOC DOES NOT COVER THE RECOMMENDED UPPER PERF INTERVALS.

DISCUSSION:

This well was completed by Cockrell on 10/07/90, the Lower Black Hawk coal seam interval was completed rod pumping 445 BWP/D and 38 MCF/D gas production (FL @ 1364'). Water production rapidly declined on this well without consequent increase in gas production until the well was shut down by PG&ER in 7/92 due to no gas sales outlet; however, had a gas sales point been established at that time, the well would still not have been economic to produce. (PG&ER bought the well from Cockrell in 6/92). After reviewing well treating and fracturing reports, John Ely determined that the borate frac jobs done on the well's lower coal intervals did not contain gel breaker - this phenomenon explained the rapid fall-off in water production rates and lack of increase in gas production rates.

The Lower Coal Seam Interval will be treated with produced water and gel breaker followed by a completion attempt in the Upper Coal Seam Interval.

WELL DATA:

KB-GND=15' (KB=7590'); 8-5/8", 24#, WC-50 @ CS 630'
(cmt'd to surf)
5-1/2", 17#, WC-70, LT&C csg set @ 4425' cmt'd thru DV tool (3263'):
Stage 1: 300 sx 50/50 Poz
Stage 2: 320 sx Silica-Lite Hi Fill
TOC @ 3700' +/- by CBL Measure
12-1/4" Surf Hole
7-7/8" Prod Hole

SEP 29 1993

- 9. GIH W/2-7/8" WORKSTRING O.E. TO 4300'; WESTERN CO. SPOT 15% FE ACID FROM 4300' TO 4020'.
- 10. POOH W/2-7/8" TBG.
- 11. WESTERN CO. PUMP 143,000 G FILTERED PRODUCED WATER (OR FILTERED 1% KCL WILLOW CREEK WATER) WITH GEL BREAKER AND 6,000G 7-1/2% FE ACID AND 200 7/8" BALL SEALERS DOWN 5-1/2" CSG TO TREAT PERFS 4019'/4290' W/THE FOLLOWING TREATMENT SCHEDULE:

- * STINGER INST. TREE SAVER THRU BOP'S.
- * WESTERN TST SURFACE LINES TO 7500 PSI FOR 15 MIN.

<u>ITEM</u>	<u>VOLUME</u>	<u>FLUID</u>	<u># OF BALL SEALERS**</u>
Stage 1	2,000 g 55,000 g	7-1/2% FE Acid 10 Mic Filtered Prod. Wtr. w/Brkr*	-----
Stage 2	2,000 g 10,000 g	7-1/2% FE Acid 10 Mic Filtered Prod. Wtr. w/Brkr*	100
Stage 3	60,000 g	10 Mic Filtered Prod. Wtr. w/Brkr*	-----
Stage 4	2,000 g 10,000 g	7-1/2% FE Acid 10 Mic Filtered Prod. Wtr. w/Brkr*	100
Stage 5	8,000 g	10 Mic Filtered Prod. Wtr. w/Brkr*	-----

* 10#/1000G B-5 BREAKER AND 1 G/1000G B-31 BREAKER ACTIVATOR.

** 7/8" 1.3 S.G. RCN BALL SEALERS.

- * TREAT @ 65 BPM X (EST.) 4000 PSI (MX P = 5500 PSI - SET POP-OFF VALVE FOR 5500 PSI).
- * WESTERN CO. TO SUPPLY SUFFICIENT HP TO TREAT @ 65 BPM X 4000 PSI + 50% STANDBY CAPABILITY.
- * BREAKERS TO BE ADDED ON FLY.
- * ACTUAL NUMBER OF BALL SEALERS MAY VARY AND WILL BE EXAMINED AFTER FIRST STAGE BALLS HIT THE PERFORATIONS.
- * JOB TO BE QC'D BY JOHN ELY ENGINEER.

SEP 29 1993

12. FLOWBACK/SWAB WELL TO EVALUATE INFLOW.
13. RUN MILLER MOD "C" CUP-TYPE RBP AND RETRIEVAMATIC PKR W/RET. HD ON 2-7/8" WORKSTRING. SET BP @ 4000'; SET PKR & TST RBP TO 5500 PSI. SPOT 2 SX SD ON BP STINGER.
14. POOH W/2-7/8" WORKSTRING & PKR.
15. HES PERF UPR COAL SEAM INTERVAL @ THE INDICATED DEPTHS USING 4" CSG GUN, 32 GM CHG, 20" TTP BEREA, .45" DIAM HOLE:

3748' / 3927' 19 NET 25 HOLES

(SEE ATTACHED LOG STRIP FOR EXACT HOLE DEPTHS - PERF BY HLS SPECTRAL DENSITY DS NEUTRON II LOG DATED 8-26-90 & 9-12-90).
16. STINGER WHD PROTECTION INST 10,000 PSI CASING SAVER THRU BOP'S.
17. RU FLOWBACK MANIFOLD W/ADJ & POS CK CAPABILITIES FROM WING VALVE ON TBG HANGER HEAD THRU MANIFOLD TO STAKED DOWN BLOOEY LINE TO PIT.
18. WESTERN CO. TREAT PERFS OF UPR BLACK HAWK COAL INTERVAL 3748' / 3927' (25 HOLES) DOWN 5-1/2" CSG W/2000 G 7-1/2% FE ACID (W/FINES SUSP ADDITIVE AND SURFACTANT) & 30-7/8" RCN 1.3 SG BALL SEALERS (IF REQUIRED) AS FOLLOWS:

- * INSTALL FRAC VALVE ON TOP OF STINGER HYDRAULIC VALVE
- * *Western* ~~BTS~~ HOOK UP FORCE CLOSURE "BLOW DOWN" LINE W/ADJ CK & RATE METER TO PIT OFF OF MAIN TREATING LINE
- * WESTERN CO. TEST LINES TO 7500 PSI FOR 15 MINUTES
- * ESTABLISH INJECTION RATE DOWN CSG TO BD PERFS W/10 MICRON FILTERED PRODUCED WATER (100 BBLs)
- * IF GOOD PUMP-IN RATE IS ESTABLISHED, PUMP ACID W/O BALL SEALERS; IF WELL PUMP-IN IS NOT ADEQUATE, DROP BALLS IN THE ACID AS OUTLINED BELOW.
- * START ACID (17 BBLs) THEN DROP 1 BALL/BBL ACID IN LAST 30 BBLs ACID.
- * EST TREAT @ 15 BPM X 2000 PSI (MX P = 5500 PSI). (SET POP-OFFS FOR 5500#).
- * IF NO BALLS ARE DROPPED IN THE ACID, DO NOT SHUT DOWN PUMPING FOR ANY REASON! CONTINUE PUMPING W/FAC PRE-PAD VOL.
- * ATTEMPT TO BALL OFF; WHEN BALL OFF OCCURS, SURGE BALLS HARD 3 TIMES THEN S/D & WAIT 30 MIN FOR BALLS TO FALL.

SEP 29 1993

19. WESTERN CO. FRAC UPPER COAL SEAM PERFS 3748' / 3927' (25 HOLES) DOWN 5-1/2" CSG BY LIMITED ENTRY USING 61,000 GALS OF ALUM AND ZIRC DUAL XL CMHEC GEL & 36,000# 100 M, 69,000# 16/30 OTTAWA SAND, AND 20,000# OF CURABLE RESIN CTD SD 16/30 M USING THE FOLLOWING TREATMENT SCHEDULE:

<u>ITEM</u>	<u>VOLUME</u>	<u>FLUID</u>	<u>SD CONC</u>
Pre-Pad	10,000 gal	10 Mic Filtered Prod. Wtr.	-----
Pad	25,000 gal	35# Dual AL & Zirc XL CMHEC Gel	-----
Stage 1	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	2 PPG 100 MESH
Stage 2	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	4 PPG 100 MESH
Stage 3	6,000 gal	35# Dual AL & Zirc XL CMHEC Gel	4 PPG 16/30 OTTAWA SD
Stage 4	9,000 gal	35# Dual AL & Zirc XL CMHEC Gel	5 PPG 16/30 OTTAWA SD
Stage 5	4,000 gal	35# Dual AL & Zirc XL CMHEC Gel	RAMP UP TO 5 FROM 4 PPG 16/30 CURABLE RD SD
Flush	3,925 gal	10 Mic Filtered Prod. Wtr.	-----

- * EST TREAT @ 50 BPM X 3000 PSI (MX P = 5500 PSI) (SET POP-OFFS FOR 5500#).
- * JOB TO BE PILOT TESTED & BATCH-MIXED AS PER JOHN ELY SPECS AND PROCEDURE (TEST GEL XL VISCOSITY, XL TIME, BREAKER LOADING, SD SPECS).
- * TO FORCE CLOSE, OPEN WELL FOR FLOWBACK WITHIN 50 SECS OF FRAC JOB COMPLETION (OPEN WELL TO FLOW @ 1 BPM ON APPROX 8/64" CK).
- * PROTECHNICS R/A TAG SD W/2 ISOTOPES - ANTIMONY FOR 100 M & IR OR SC FOR 16/30 SD & RC.

20. FLOWBACK WELL & EVALUATE. RUN "AFTER FRAC" TRACERSCAN LOG. RUN 2-7/8" TBG & RBP RET HD.
21. RET RBP & POOH.
22. RUN PC PUMP STATOR AND NO-TURN TOOL AND TAIL PIPE ON 2-7/8" INTERNALLY COATED TBG; LAND PS ABOVE AND WITHIN 50' OF TOP PERFS.

SEP 29 1993

- 23. RUN ROTOR ON 1" SR'S (W/ROD GUIDES) & LAND IN PUMP STATOR - SPACE OUT; HOOK TO DRIVE HEAD.
- 24. PUT WELL ON PRODUCTION.

SIGNATURES:

A. Hill
PRODUCTION ENGINEER

9/21/93
DATE

AREA PRODUCTION MANAGER

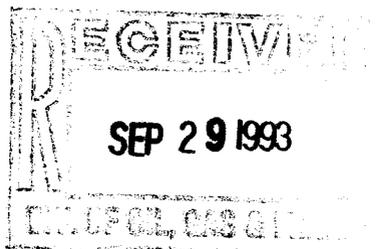
DATE

E. F. Hall For Clark Ciment
PRODUCTION ENGINEERING MANAGER

9/21/93
DATE

SEP 29 1993

September 28, 1993



State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attention: Mr. Frank Mathews

RE: Shimmin Trust No. 3
Section 14-T12S-R10E
Carbon County, Utah

Gentlemen:

Attached is an original and one (1) copy of Form 9 "Sundry Notices and Reports on Wells" and workover procedure.

If you have any questions or need further information, please contact the undersigned at 214/706-3640.

Very truly yours,

Cindy R. Keister
Sr. Regulatory Analyst

CRK/ck

Attachments

cc: Central File
Regulatory File

November 12, 1993



State of Utah Dept. of Natural Resources
Division of Oil, Gas & Mining
355 West Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84186

RE: Shimmin Trust No. 3
Section 14, T12S-R10E
Carbon County, Utah

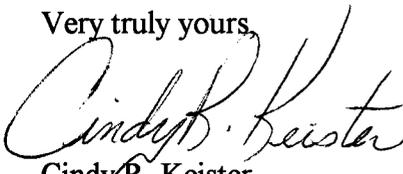
Gentlemen:

Attached is the following information in triplicate as required for completion of the referenced well:

1. Form 8 "Well Completion or Recompletion Report and Log"
2. Form 9 "Sundry Notices and Reports on Wells" (Subsequent Report)
3. Daily well history.

If you have any questions or need further information, please contact the undersigned at (214) 706-3640.

Very truly yours,


Cindy R. Keister
Sr. Regulatory Analyst

CRK/ck

Attachments

cc: Regulatory File
Central Files

RECEIVED

NOV 16 1993

DIVISION OF
OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NO. Fee
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> Other _____						7. UNIT AGREEMENT NAME NA
2. NAME OF OPERATOR PG&E Resources Company						8. FARM OR LEASE NAME Shimmin Trust
3. ADDRESS OF OPERATOR 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206						9. WELL NO. 3
4. LOCATION OF (Report location clearly and in accordance with any State requirements)* At surface 1780' FWL & 1980' FNL SE/4 NW/4 At top prod. interval reported below Same At total depth Same						10. FIELD AND POOL, OR WILDCAT Wildcat 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 14, T12S-R10E
		14. API NO. 43-007-30119	DATE ISSUED 06-13-90	12. COUNTY Carbon	13. STATE Utah	
15. DATE SPUNDED 07/25/90	16. DATE T.D. REACHED 09/06/90	17. DATE COMPL. (Ready to prod.) or (Plug & Abd.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 7590' RKB	19. ELEV. CASINGHEAD		
20. TOTAL DEPTH, MD & TVD 4726'	21. PLUG, BACK T.D., MD & TVD 4411'	22. IF MULTIPLE COMPL., HOW MANY	23. INTERVALS DRILLED BY →	ROTARY TOOLS X	CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD) 3748' - 3927' Upper Blackhawk 4019' - 4290' Lower Blackhawk (Kenilworth)						25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL/Spectral Density Dual Spaced Neutron/Microlog				27. WAS WELL CORED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> (Submit analysis) DRILL STEM TEST YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (See reverse side)		
28. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED
8-5/8"	23#	630'	12-1/4"	415sx Premium w/additives		0
5-1/2"	17#	4425'	7-7/8"	300sx 50/50 Poz w/additives		0
		DV Tool @3263'		320sx Silica Lite Hi-Fill		
29. LINER RECORD				30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD) PACKER SET (MD)
					2-7/8"	4329' NA
31. PERFORATION RECORD (Interval, size and number) 3748' - 3927' 0.45" 25 Holes 4019' - 4290'				32. ACID, SHOT, FRACTURE, CEMENT DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED See Attached		
33. PRODUCTION						
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)			WELL STATUS (Producing or shut-in) Shut-In	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR OIL--BBL. TEST PERIOD	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) The well is currently shut-in waiting on connection to the central processing facility.						TEST WITNESSED BY
35. LIST OF ATTACHMENTS						
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records						
SIGNED <i>Cindy Feister</i>		TITLE Sr. Regulatory Analyst			DATE 11/12/1993	

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:		38. GEOLOGIC MARKERS				
Formation	Top	Bottom	Description, contents, etc.	Top		
				Name	Meas. Depth	True Vert. Depth
Blackhawk	3412'	4105'	Natural gas & water.	Price Riber ss		2656'
Kenilworth	4106'	4319'	Natural gas & water.	Castlegate ss		3092'
				Blackhawk		3412'
				Kenilworth ss		4106'
				Aberdeen ss		4320'
				Spring Canyon ss		4450'

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

6. Lease Designation and Serial Number Fee
7. Indian Allottee or Tribe Name
NA
8. Unit or Communization Agreement
NA
9. Well Name and Number
Shimmin No. 3
10. API Well Number
43-007-30119
11. Field and Pool, or Wildcat
Wildcat

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 for such proposals.

1. Type of Well
 Oil Well Gas Well Other (Specify)

2. Name of Operator
 PG&E Resources Company

3. Address of Operator
 6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Telephone Number
 (214) 750-3800

5. Location of Well
 Footage : 1780' FWL & 1980' FNL County : Carbon
 QQ. Sec. T., R., M. : SE/4 NW/4 Section 14, T12S-R10E State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

Abandonment New Construction
 Casing Repair Pull or Alter Casing
 Change of Plans Recompletion
 Conversion to Injection Shoot or Acidize
 Fracture Treat Vent or Flare
 Multiple Completion Water Shut-Off
 Other _____

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit in Duplicate)

Abandonment * New Construction
 Casing Repair Pull or Alter Casing
 Change of Plans Shoot or Acidize
 Conversion to Injection Vent or Flare
 Fracture Test Water Shut-Off
 Other _____

Date of Work Completion _____ 10/15/1993

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

13. 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.)

Perforate the upper Blackhawk Coal Seam and fracture stimulate all perforations as shown on the attached daily report.

OIL AND GAS

RJF	
FRM	
SLS	
GEN	
DMB	
2 VLE	
MICROFILM	
FILE	

*W/B
S/GW*

14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy Keister *Cindy Keister*

Title Sr. Regulatory Analyst 1993

(State Use Only)

WELL HISTORY

Shimmin Trust No. 3
Castlegate Area
Carbon County, Utah
(PG&ER Operated)

- 09-22-93 MIRU Flint. Bled down well with 300 psi on csg, pull prod tree, install 5000 psi double gate BOPE. Run 4-3/4" bit, 5-1/2", 17# csg scraper on 2-7/8" tbg, tag fill at 4392' & SDFN.
- 09-23-93 Open well with 0 psi. Attempt to load hole with 230 bbl of filtered creek wtr, unable to fill. Pump 30 bbl down tbg & drill out fill from 4392' to 4411' without returns, well on vac. POOH. Run Miller Model 'CBP' BP on 2-7/8" tbg to 4000', set BP. POOH. Install Stinger wellhead saver, press test 5-1/2" csg to 5500 psi for 15 min (ok). RD Stinger, RIH with retrieving head to BP at 4000'. Equalize fluid, POOH & LD BP, SDFN.
- 09-24-93 RU Stinger & Dowell. Treat perfs 4019-4290' down 5-1/2" csg with 6000 gal 7.5% FE acid, 3314 bbl 1% KCl wtr with gel breaker, 250 7/8" RCN ball sealers (1.3 SG) & 95 bbl 1% KCl pre-pad & flush, ISIP 1900 psi, 3400 psi avg press, 65 BPM avg rate, 4700 psi max press. Had good ball action but did not ball out. Surged balls 3 times & opened to pit at 1 BPM. Flow back 45 bbl & SWI with 100 psi on csg. RD Dowell & SDFN.
- 09-25-93 Overnight SITP - TSTM. TIH with 4-3/4" bit on 2-7/8" tbg to 3949'. RU to swab. Swab test perfs 4019-4290', rec'd 350 BW in 7 hrs, IFL at 500'. Swabbed FL down to 1200' & FL increased to 800', FFL at 1000'. Rec'd wtr (slight GC) with no sand or coal. RD swab equip & SDFN.
- 09-26-93 0 psi SITP & SICP. Trip in & tag fill at 4406' KB (116' below btm perf & 5' fill), trip out to 3950' KB. Swab test 10 hrs, IFL at 1000', FFL at 1500', rec'd 580 BW, 2742 BWLTR. SDFN.
- 09-27-93 0 psi SITP & SICP. WIH with 2-7/8" work string & tag fill at 4405' KB (1' fill). POOH. Run Elder Model 'C' BP on 2-7/8" tbg & set BP at 3995' KB. Spot 2 sx sand on BP & POOH. RU Stinger. Attempt to press test BP & csg, would not test - bled form 5500 psi to 3500 psi in 6 min & from 3500 psi to 1200 psi in 18 min. RD Stinger. WIH with Elder Model 'FB' pkr on 2-7/8" tbg, set pkr at 3952' KB. Press test BP to 5500 psi (ok). Set pkr at 3196' KB, tbg side would not test. Ann tested to 5500 psi (ok). Move pkr to 3292' KB, tbg side tested to 5500 psi (ok), indicating leak between 3196' & 3292' KB (DV tool at 3263-84'). Release pkr & SDFN.

WELL HISTORY

Shimmin Trust No. 3
Castlegate Area
Carbon County, Utah
(PG&ER Operated)

- 09-28-93 0 psi SITP & SICP. POOH w/pkr. RU HES. Perf with 4" steel hollow carrier, 23 gram charges, .45" diameter, 18" TTP Berea Upper Coal Seam as follows: Zone #1=3925, 3926, 3927. Zone #2=3920, 3921, 3922. Zone #3 = 3904, 3906, 3907, 3908, 3909, 3910. Zone #4=3859, 3860, 3861, 3862. Zone #5=`3853, 3854, 3855. Zone #6=3781, 3782, 3783. Zone #7=3748, 3749, 3750. Well on vacuum after perfs . Total 25 holes. SWIFN.
- 09-29-93 Well on vacuum after perforating Upper Coal Seams. Ran Elder Model FB pkr, unloader, on 3-1/2", 9.3 #/ft, P-105, EUE 8R SCC tbg with TD collars. Set pkr at 3346' KB in 20,000# tension. RU Dowell. Frac well with 2100 gals 1% KCL wtr, 2000 gals 7-1/2% HCL, 66,040 gals 35# CMHEC gel containing 37,620 lbs 100 mesh sand, 70,460 lbs 16/30 sand & 20,100 lbs 16/30 resin coated sand. Maximun rate=64 BPM. Minimun rate=53 BPM. Avg rate=57 BPM. Maximum press=6400 psi. Minimum press=4900 psi. Avg press=5800 psi. ISDP=99 psi.
- 09-30-93 0 psi SITP, 300 psi SICP. Release pkr, POOH with 3-1/2" rental string & pkr. RIH with 4-3/4" bit on 2-7/8" workstring. Tag sand at 3917', drill out 63' sand to 3980' KB & circ hole clean. Move TS to 3664' KB. Swab test 2 hrs, IFL at surf, rec'd 72 BW, FFL at 800'. 1418 BLWTR. SDFN.
- 10-01-93 Trip in, tag fill at 3977' (3' fill) & trip out to 3664'. Swab test 10 hrs, rec'd 540 BLW, making small amt of sand & coal fines. SDFN.
- 10-02-93 Trip in, tag fill at 3960' (17' fill) & trip out to 3664' KB. Swab test 5 hrs, rec'd 360 BLW. Trip in, tag fill at 3958' KB (2' fill), circ out 37' coal & sand to BP at 3995'. Trip out with tbg & bit & SDFN.
- 10-03-93 SDF Sunday.
- 10-04-93 Run post frac tracer scan log, log indicates all zones were treated with frac as high as 3652' & as low as 3958'. Trip in with retrieving tool, retrieve BP at 3995'. LD workstring to 2245', SD to repair rig & SDFN.
- 10-05-93 0 psi SITP & SICP. Fin POOH with 2-7/8" workstring & BP. Ran notched collar on 2-7/8" 6.5#, J-55, EUE, 8rd, IC tbg with Model 120 btm hole pumping assembly. ND BOP, land tbg at 4329' KB, btm of anchor x-over is at 3719' KB, top of pump stator is at 3693'. NU wellhead & SDFN.

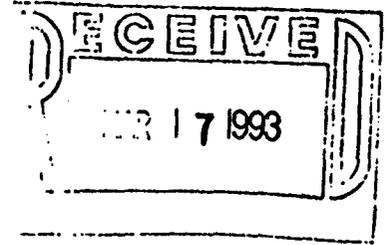


State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertler
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340



March 12, 1993

PG&E Resources Company
6688 North Central Expressway
Dallas Texas 75206

Gentlemen:

Re: Conversion of the Jensen 16-10, Jensen 9-10, Shimmin Trust 11-11, and Shimmin Trust 10-11 wells located in Sections 10 and 11, Township 12 South, Range 10 East, Carbon County, Utah, to Water Disposal Wells

In accordance with Utah Admin. R. 649-5-3-3, administrative approval for conversion of the referenced wells to Class II injection wells is granted.

The following actions are necessary to fully comply with this approval:

1. Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
2. Conformance with all conditions of the submitted applications.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Sincerely,

R.J. Firth
Associate Director, Oil and Gas

cc: BLM, Price
R.J. Firth
WUI229



State of Utah

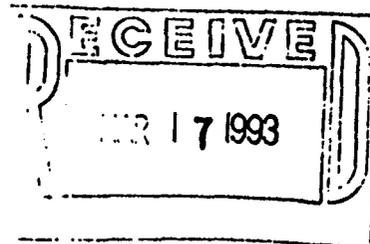
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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355 West North Temple
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Sincerely,

R.J. Firth
Associate Director, Oil and Gas

cc: BLM, Price
R.J. Firth
WUI229

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

6. Lease Designation and Serial Number Fee
7. Indian Allottee or Tribe Name
8. Unit or Communitization Agreement
9. Well Name and Number
10. API Well Number
11. Field and Pool, or Wildcat

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to recomplete, plug back and (re)isolate wells.
Use APPLICATION FOR PERMIT—for such proposals.

1. Type of Well
Oil Well
[X] Gas Well
Other (Specify)

DEC 27 1993

2. Name of Operator
PG&E Resources Company

DIVISION OF OIL, GAS & MINING

3. Address of Operator
6688 N. Central Expwy., Suite 1000, Dallas, TX 75206

4. Telephone Number
(214) 750-3800

5. Location of Well
Footage : 1780' FWL & 1980' FNL
County : Carbon
QQ. Sec, T., R., M. : SE/4 NW/4 Section 14, T12S-R10E
State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

SUBSEQUENT REPORT
(Submit in Duplicate)

- Abandonment
Casing Repair
Change of Plans
Conversion to Injection
Fracture Treat
Multiple Completion
[X] Other NTL-2B
New Construction
Pull or Alter Casing
Recompletion
Shoot or Acidize
Vent or Flare
Water Shut-Off

- Abandonment *
Casing Repair
Change of Plans
Conversion to Injection
Fracture Test
Other
New Construction
Pull or Alter Casing
Shoot or Acidize
Vent or Flare
Water Shut-Off

Approximate Date Work Will Start

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. 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.)

PG&E Resources Company requests approval to dispose of produced water from the referenced well into off-lease injection well(s) located in Section 10 and 11 of T12S-R10E, Carbon County, Utah. The produced water will flow via a gathering line to a central processing facility (CPF) where it will be consolidated with other produced water from the field prior to entering the injection header for disposal into one of the four injection wells. A copy of the State of Utah, UIC Permit is included for your review.

14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy R. Keister Title Sr. Regulatory Analyst Date 12/20/1993

(State Use Only)

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

6. Lease Designation and Serial Number
Fee

7. Indian Allottee or Tribe Name

NA

8. Unit or Communization Agreement

NA

9. Well Name and Number

Shimmin No. 3

10. API Well Number

43-007-30119

11. Field and Pool, or Wildcat

Wildcat

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
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 County : Carbon
 QQ. Sec, T., R., M. : SE/4 NW/4 Section 14, T12S-R10E
 State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>NTL-2B</u> | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Test | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

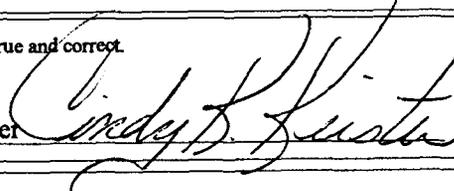
Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

13. 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.)

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14. I hereby certify that the foregoing is true and correct.

Name & Signature Cindy R. Keister  Title Sr. Regulatory Analyst Date 12/20/1993

(State Use Only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

PRODUCTION DEPT
 PG&E RESOURCES COMPANY
 6688 N CENTRAL EXP #1000
 DALLAS TX 75206-3922

UTAH ACCOUNT NUMBER: N0595

REPORT PERIOD (MONTH/YEAR): 6 / 94

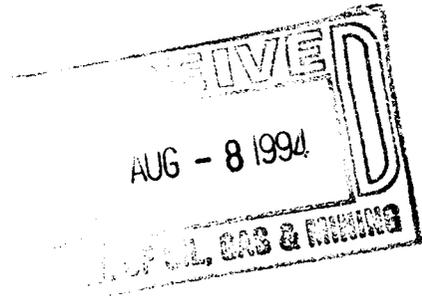
AMENDED REPORT (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
FEDERAL 13-33-B 4301331277	11092	08S 16E 33	GRRV					
SHIMMIN TRUST #3	11096	12S 10E 14 ✓	MVRD			- FEE		
SHIMMIN TRUST #1 4300730120	11096	12S 10E 11 ✓	MVRD			- FEE		
SHIMMIN TRUST #2 4300730121	11096	12S 10E 14 ✓	MVRD			- FEE		
SHIMMIN TRUST #5 4300730122	11096	12S 10E 14 ✓	MVRD			- FEE		
SHIMMIN TRUST #4 4300730123	11096	12S 10E 11 ✓	MVRD			- FEE		
ERAL 22-5-G 4301331273	11103	09S 16E 5	GRRV					
FEDERAL 13-34-B 4301331271	11104	08S 16E 34	GRRV					
FEDERAL 21-4-G 4301331272	11107	09S 16E 4	GRRV					
FEDERAL 6-8 4300730140	11272	12S 10E 8	MVDCL			- WTK 65948		
STATE 5-36B 4304732224	11363	09S 19E 36	WSTC					
STATE 9-36A 4304732225	11364	09S 18E 36	GRRV					
FEDERAL 13-26B 4304732237	11370	09S 19E 26	WSTC					
TOTALS								

COMMENTS: * Fed. Lease wells, separate change.

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____
 Name and Signature: _____ Telephone Number: _____

August 2, 1994



STATE OF UTAH
Division of Oil Gas & Mining
355 W. North Temple
3 Triad Center - Suite 350
Salt Lake City, UT 84180

ATTENTION: Lisha Cordova

RE: Change of Operator
Castlegate Wells
Carbon County, Utah

Dear Lisha:

Enclosed please find the following documents in connection with the above captioned transfer of operations to Anadarko Petroleum Corporation effective as of August 1, 1994.

- 1) Copies of 8 BLM Sundry Notices (Form 3160-5)
- 2) Originals of 21 Utah Sundry Notices (Form 9)
- 3) Originals of 4 Transfers of Authority to Inject (UIC Form 5)

If additional information is needed in this regard, please contact the undersigned or Mr. L. Steve Hamilton with Anadarko at (405) 475-7000.

Sincerely,

Rejahna Barrow
Sr. Proration Analyst
(214) 750-3120

Enclosures (33)

cc: Mr. L. Steve Hamilton
Anadarko Petroleum Corporation
Oklahoma City, OK

Note: Please furnish both Operators a copy of the approved Sundry.

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, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals

6. Lease Designation and Serial Number <i>FEE</i>
7. Indian Allottee or Tribe Name N/A
8. Unit or Communitization Agreement N/A
9. Well Name and Number Shirmin No. 3
10. API Well Number 43-007-30119
11. Field and Pool, or Wildcat Wildcat

1. Type of Well
 Oil Well Gas Well Other (specify)

2. Name of Operator
Anadarko Petroleum Corporation

3. Address of Operator 9400 N. Broadway - Suite 700
Oklahoma City, OK 73114

4. Telephone Number (405) 475-7000

5. Location of Well
 Footage : 1780' FWL & 1980' FNL
 Co., Sec. T., R., M. : SE/4 NW/4, Sec. 14, T12S, R10E
 County : Carbon
 State : UTAH

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

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>Change of Operator</u>	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

13. 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.)

Please be advised that PG&E Resources Company is hereby transferring operations and Anadarko Petroleum Corporation is hereby assuming operations and will be responsible for the above described well effective as of August 1, 1994.

Bond coverage for this well is provided by Anadarko Petroleum Corporation's Statewide Blanket Bond #224351

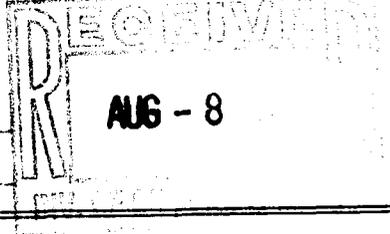
PG&E Resources Company hereby agrees to the foregoing transfer.

By: *Ryahn D. Barrow* Sr. Production Analyst, August 1, 1994

DIVISION OF OIL, GAS, AND MINING

DATE: Aug. 11, 1994

BY: *Lisha Cordova*



14. I hereby certify that the foregoing is true and correct

Name & Signature *Lisha Cordova*
(State Use Only)

Title Division Admin. Mgr. Date 8/1/94



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

Michael O. Leavitt
 Governor
 Ted Stewart
 Executive Director
 James W. Carter
 Division Director

355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203
 801-538-5340
 801-359-3940 (Fax)
 801-538-5319 (TDD)

August 19, 1994

Ms. Rejahna Barrow
 PG & E Resources Company
 6688 N. Central Expressway #1000
 Dallas, Texas 75206-3922

Re: Notification of Sale or Transfer of Fee Lease Interest - Carbon County, Utah

Dear Ms. Barrow:

The division has received notification of a change of operator from PG & E Resources Company to Anadarko Petroleum Corporation for the following wells which are located on fee leases.

Jensen 7-15	Section 15, T.12S., R.10E	API No. 43-007-30165
Shimmin Trust 11-11	Section 11, T.12S., R.10E.	API No. 43-007-30166
Jensen 16-9	Section 9, T.12S., R.10E.	API No. 43-007-30163
Shimmin Trust 12-12	Section 12, T.12S., R.10E.	API No. 43-007-30168
Jensen 11-15	Section 15, T.12S., R.10E.	API No. 43-007-30175
Shimmin Trust 14-12	Section 12, T.12S., R.10E.	API No. 43-007-30169
Shimmin Trust 10-11	Section 11, T.12S., R.10E.	API No. 43-007-30167
Shimmin Trust 3	Section 14, T.12S., R.10E.	API No. 43-007-30119
Shimmin Trust 1	Section 11, T.12S., R.10E.	API No. 43-007-30120
Shimmin Trust 2	Section 14, T.12S., R.10E.	API No. 43-007-30121
Shimmin Trust 5	Section 14, T.12S., R.10E.	API No. 43-007-30122
Shimmin Trust 4	Section 11, T.12S., R.10E.	API No. 43-007-30123
Jensen 16-10	Section 10, T.12S., R.10E.	API No. 43-007-30161
Jensen 9-10	Section 10, T.12S., R.10E.	API No. 43-007-30159
Jensen 11-10	Section 10, T.12S., R.10E.	API No. 43-007-30164
Jensen 5-10	Section 10, T.12S., R.10E.	API No. 43-007-30162

Rule R.649-2-10 of the Utah Oil and Gas Conservation General Rules, requires that the owner of a lease provide notification to any person with an interest in such lease (working interest or royalty interest), when all or part of that interest in the lease is sold or transferred.



Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-EC	✓
2-LWP 7-PL	✓
3-BTS 8-SJ	✓
4-VLC 9-FILE	✓
5-RJF	✓
6-LWP	✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 8-01-94)

TO (new operator)	<u>ANADARKO PETROLEUM CORP.</u>	FROM (former operator)	<u>PG&E RESOURCES COMPANY</u>
(address)	<u>9400 N BROADWAY STE 700</u>	(address)	<u>6688 N CENTRAL EXP #1000</u>
	<u>OKLAHOMA CITY OK 73114-7403</u>		<u>DALLAS TX 75206-3922</u>
	<u>L. STEVE HAMILTON, MGR</u>		<u>REJAHNA BARROW</u>
phone (<u>405</u>)	<u>475-7000</u>	phone (<u>214</u>)	<u>750-3922</u>
account no.	<u>N 0035</u>	account no.	<u>N0595</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHMENT**	API: <u>009-30119</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lec* 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (*Rec'd 8-8-94*)
- Lec* 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (*Rec'd 8-8-94*)
- N/A* 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: _____
- N/A* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- LWP* 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *8-15-94*
- LWP* 6. Cardex file has been updated for each well listed above. *8-12-94*
- LWP* 7. Well file labels have been updated for each well listed above. *8-12-94*
- Lec* 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (*8-11-94*)
- Lec* 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Lee 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Lee 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. Surety # 224351 / \$80,000 "Seaboard Surety Company"
2. A copy of this form has been placed in the new and former operators' bond files.
- Lee 3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date Aug. 8, 1994. If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- OTS 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 8/19 1994, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. by 9/8/94
- OTS 2. Copies of documents have been sent to State Lands for changes involving State leases. 8/18/94 to Ed Bonner

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: August 23 1994.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

940809 Trust Lands / Ed Bonner (state 2-16 & 9-16 / ML-444437 Anadarko bonding in place.
* Federal lease wells on separate chg. This change Fee, state, widow only.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number
Fee

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

6. Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

1. Type of Well: OIL GAS OTHER: Coalbed Methane

8. Well Name and Number:

Shimmin Trust #3

2. Name of Operator

Anadarko Petroleum Corporation

9. API Well Number:

43-007-30119

3. Address and Telephone Number.

17001 Northchase Dr., Houston, Texas 77060 (281) 875-1101

10. Field and Pool, or Wildcat

Castlegate

4. Location of Well

Footages: SE NW 1980' FNL & 1780' FWL
QQ, Sec., T., R., M.: Sec. 14 T12S-R10E

County: Carbon

State: Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

SUBSEQUENT REPORT
(Submit Original Form Only)

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

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

Date of work completion _____

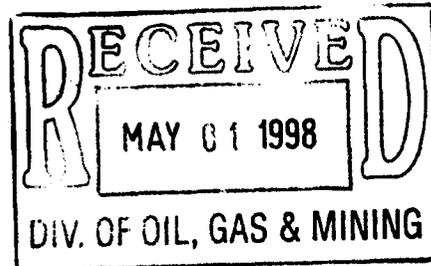
Approximate date work will start Early Spring

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.)

Please see attached "Well Diagram" for all wellbore information and geological markers.



13. Name & Signature Shad Frazier Title Production Engineer Date 02/17/98

(This space for State use only)

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5-17-98

(5/94)

BY: [Signature]

(See Instructions on Reverse Side)



Petroleum Corporation

Plugging Procedure

Shimmin Trust #3
Sec. 14-T12S-R10E 1980' FSL & 1780' FWL
Carbon County, Utah

AFE: 501501
WI: 100%
API # 43-007-30119

Purpose: Plug and Abandon Castlegate field

Surf: 8-5/8", 24# K-55
Prod: 5-1/2", 17# N-80 (Drift = 4.767")

Wireline: Halliburton, Vernal 801-789-2550
Cementing: Halliburton, Vernal 801-789-2550

Procedure:

1. RDWH, NUBOP, BD casing pressure. MIRUWL. TIH W/ GR/JB to 4310. POH w/ GR/JB and pick up CIBP. Trip in hole and set CIBP @ +/- 3730(Do not set in collars). RDWL and move to next location.
2. MIRU Coiled Tubing equipment and cement unit
3. Mix and pump a minimum of 5 sacks class G cement and spot on top of CIBP @ +/- 3730.
4. POH to bottom of surface casing @ 630 and spot a 50 ft. plug.
5. Pull up hole to within 50 ft of surface and spot 50 ft plug.
6. Cut production casing off and mix and pump a 100 ft cement plug between csg and prod csg. NDBOP.
7. Reclaim location and install 4 ft. dead man marker with lease name, number, company name, and legal description.

* all displacement fluid will contain non-corrosive fluid.

Prepared: Shel Terzic 4/29/98

Approved: JMK

Castlegate plugging.doc

cc: Steve Pearson
Alan O'Donnell
Kendall Madden
Shad Frazier
Tom Rushing
WF - Shimmin Trust #3, Carbon County, Utah

SHIMMIN TRUST #3

SE NW 1980' FNL & 1780' FWL: SEC 14 T12S-R10E
API NO. 43-007-30119

SPUD RIG OFF
SURFACE 07/26/1990 07/30/1990
PRODUCTION 08/05/1990 08/27/1990

7575 GL 15 KB 7590

12-1/4" Hole
8-5/8" 23# WC50
w/440 sxs cmt
TOC @ Surface

630

DV Tool
w/320 sxs cmt

3263

TOC

3575

(Holes)	Perforations
(3)	3748 - 3750
(3)	3781 - 3783
(3)	3853 - 3855
(4)	3859 - 3862
(7)	3904 - 3910
(3)	3920 - 3922
(3)	3925 - 3927
(4)	4019 - 4021
(20)	4052 - 4057
(36)	4070 - 4079
(4)	4088 - 4090
(8)	4103 - 4105
(8)	4187 - 4191
(12)	4249 - 4252
(44)	4279 - 4290
(162)	Total Holes

TA 4313

EOT 4319

FILL 4363

4411

7-7/8" Hole 4415

5-1/2", 17# WC70 4425

w/300 sxs cmt

TD 4726

WELL WORK HISTORY

09/25/1990	FRAC 4249-4290 w/35M GAL GEL, 36M# 20/40
11/15/1990	FRAC 4019-4191 w/56M GAL GEL, 30M# 40/70, 52M# 20/40
11/22/1990	INSTALL 2-1/4" TBG PMP
09/24/1993	BREAKER/BALL TRTMT FROM 4019-4290
09/29/1993	F/3748-3927 w/66M GAL XL CMHEC, 38M# 100 MESH, 70M# 16/30, 20M# 16/30 RC
10/06/1993	POP w/ HPC 120 PMP
02/22/1994	FLUSHED ROTOR & STATOR
06/14/1994	HOLE IN TBG, TFF @ 4405
09/21/1994	HOLE IN TBG, NEW HPC 100 PMP, TFF @ 4385
12/18/1994	ROTOR LOCKED
12/24/1994	PARTED RODS, TFF @ 4381
09/08/1995	PARTED RODS, 1ST ROD ABOVE ROTOR
10/04/1995	HOLE IN TBG, REPLACED STATOR & ROTOR
12/30/1995	FLUSH ROTOR AND STATOR
03/16/1996	PRTD ROD @ 175'; CO 4368-4386; LWRD 1 JT
04/10/1996	PRTD ROD @ 2625'
04/25/1996	PRTD ROD @ 1080'
07/19/1996	PRTD ROD @ 1425'; CO ROD STRING
11/05/1996	STATOR FAILURE; FISH TA
02/12/1997	PARTED RODS; CO 144 RODS; TFF 4368'
04/15/1997	PARTED RODS; PART @ 4125
05/01/1997	STATOR FAILURE; FISH TA
07/01/1997	FLUSHED WELL BORE W/ 100 BW
NOTES:	BP @ 4415

TUBING BREAKDOWN

2-7/8"	JTS
TA	
2-7/8"	JTS
3-1/2"	JTS
SN	
TAG BAR	
2-7/8"	JTS
NC	
EOT	

ROD BREAKDOWN

PONIES	
1"	
1 1/2" PR	
1" GUIDE	
PUMP	

DEVIATION ANGLE

650	1.3
1019	1
1620	0.8
1901	1.3
2534	2.5
3005	3
3483	3.3
4093	3.8
4397	4.8

FORMATION

PRICE RIVER	2656
CASTLEGATE	3092
BLACKHAWK	3412
KENILWORTH	4106
ABERDEEN	4320
SPRING CANYON	4450

TOP

LAST REVISED: 04/30/1998

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
RECORD OF ABANDONMENT OPERATIONS

COMPANY NAME: ANADARKO PETROLEUM CORP.

WELL NAME: SHIMMIN TRUST #3

QTR/QTR: SE/NW SECTION: 14 TOWNSHIP: 12S RANGE: 10E

COUNTY: CARBON API NO: 43-007-30119

INSPECTOR: DAVID HACKEORD TIME: VARIOUS DATE: 6/22/98

SURFACE CASING SHOE DEPTH 630' CASING PULLED YES NO

CASING PULLED: SIZE CUT DEPTH FT/CSG RECOVERED

TESTED YES NO TESTED TO: PSI TIME:

CEMENTING COMPANY: HALLIBURTON

CEMENTING OPERATIONS: P&A WELL:

PLUG 1. SET: FROM 3698' FT. TO 3615' FT. TAGGED YES NO

SLURRY: PREMIUM PLUS, 1.18 YIELD, 15.6 PPG. 10 SACKS

PLUG 2. SET FROM 655' FT. TO 605' FT. TAGGED YES NO

SLURRY: 6 SACKS, SAME AS ABOVE

PLUG 3. SET FROM FT. TO FT. TAGGED YES NO

SLURRY:

PLUG 4. SET FROM FT. TO FT. TAGGED YES NO

SLURRY:

SURFACE PLUG: FROM 50' FT. TO SURFACE FT.

ALL ANNULUS CEMENTED TO SURFACE: YES NO

PLUGGING FLUID TYPE: 9.0 POUNDS PER GALLON POZ MIX

PERFORATIONS: ALL BELOW 3698 FT. TO FT.

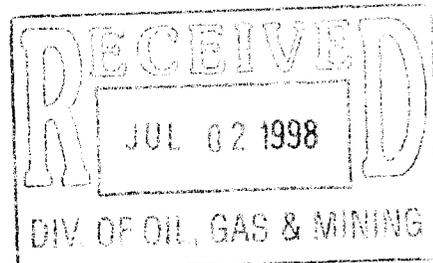
FROM FT. TO FT.

1 CIBP SET: 3698'

2 CIBP SET:

ABANDONMENT MARKER: PLATE: PIPE: CORRECT INFORMATION:

COMMENTS: ALL CEMENT PLUGS WERE PUMPED AND SET THROUGH HALLIBURTON ENDLESS TUBING.





JOB LC 4239-5

TICKET #	28927	TICKET DATE	6-22-98
BDA / STATE	Utah	COUNTY	Carbon
PSL DEPARTMENT	5001	CUSTOMER REP / PHONE	Richard Dietz
API / UWI #	43-007-3017	JOB PURPOSE CODE	115

REGION	North America	NWA/COUNTRY	RMNWA
MBU ID / EMP #	UFO108 C1986	EMPLOYEE NAME	Carl W Parrack
LOCATION	055685	COMPANY	ANADARKO
TICKET AMOUNT		WELL TYPE	02
WELL LOCATION	05 Castle Gate	DEPARTMENT	5001
LEASE / WELL #	Shimmer Trust #3	SEC / TWP / RNG	S-14 T-12S R-10E

| HES EMP NAME/EMP#/(EXPOSURE HOURS) HRS |
|--|--|--|--|
| C Parrack C1986 5 | A Leigh J 3410 5 | | |
| M Harty H2051 5 | | | |

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESS. (psi)		JOB DESCRIPTION / REMARKS
				T	C	Tbg	Csg	
	13:00							on location setup safety meeting
	13:10							Soft meeting with all personal on loc
	13:15							Coil Tubing start in Hole
	13:38	1	0			1490		Start Fresh H ₂ O
	13:43	1	5			1200		End
	14:05	1	0			1200		Start cement @ 15.6" 1.18" 5.2 gal 10 SKS
	14:07	1	2			2100		End
	14:52	1	55			2100		Start Poz @ 9" 2.7" 54 gal 50 SKS
	15:16	1	67			2600		Circulate
	15:17	1	0			2600		End
	15:19	1	12			2650		Start cement @ 15.6" 1.18" 5.2 gal 6 SKS
	15:19	.5	0			2500		End
	15:19	.5	13			2500		Start Poz @ 9" 2.7" 54 gal 10 SKS
	15:43	.5	0			2400		End
	15:43	.5	12			2400		Start cement @ 15.6" 1.18" 5.2 gal 50' hole
	15:45	.5	0			1500		End
	15:55	.5	5			800		Start cement Displace with H ₂ O
								End cement to surface
								wait on welder
								Run in Hole 100' between 5 1/2" & P56
	16:50	.5	0			1100		Start cement @ 15.6" 1.18" 5.2 gal 10 SKS
	16:52	.5	3.5			1200		End
	16:52	.5	0			1200		Start displacement with H ₂ O
	17:07	.5	5			900		End
								cement to surface

SGW

Blended
Thinner (oil)

(over)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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: Shimmin Trust 3
9. API Well Number: 43-007-30119
10. Field and Pool, or Wildcat Castlegate Field

1. Type of Well: OIL GAS OTHER: METHANE

2. Name of Operator
Anadarko Petroleum Corporation

3. Address and Telephone Number.
17001 Northchase Dr., Houston, Texas 77060

4. Location of Well
Footages: 1980' FNL & 1780' FWL
QQ.Sec., T., R., M.: SE NW Sec. 14-T12S-R10E

County: Carbon
State: Utah

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"/> Reperforate |
| <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 _____ | |

SUBSEQUENT REPORT
(Submit Original Form Only)

- | | |
|--|---|
| <input checked="" 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"/> Reperforate |
| <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 type="checkbox"/> Other _____ | |

Date of work completion 06/22/98

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.

Approximate date work will start _____

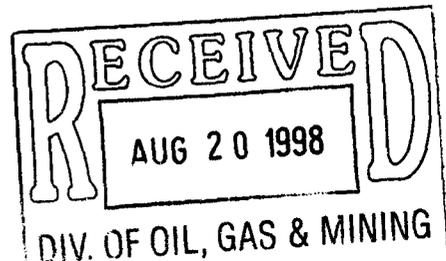
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

SEE ATTACHED WELLBORE DIAGRAM AND DETAILED FIELD REPORT.

UNABLE TO SET LOWER CEMENT PLUG AT 50' ABOVE TOP PERFORATION. PLUG WAS SET AS IS, IN AGREEMENT WITH THE STATE OF UTAH, DIVISION OF OIL AND GAS PERMISSION.

13. Name & Signature Shad Frazier Title Engineer Date 08/12/98

(This space for State use only)



SHIMMIN TRUST #3

SE NW 1980' FNL & 1780' FWL: SEC 14 T12S-R10E
API NO. 43-007-30119

SPUD RIG OFF
SURFACE 07/26/1990 07/30/1990
PRODUCTION 08/05/1990 08/27/1990

	7575	GL	15	KB	7590
CMT PLUG					50
					100
12-1/4" Hole					
8-5/8" 23# WC50					630
w/440 sxs cmt					
TOC @ Surface					
DV Tool					3263
w/320 sxs cmt					
TOC					3575
CIBP					3615
					3968
(Holes) Perforations					
(3) 3748 - 3750					
(3) 3781 - 3783					
(3) 3853 - 3855					
(4) 3859 - 3862					
(7) 3904 - 3910					
(3) 3920 - 3922					
(3) 3925 - 3927					
(4) 4019 - 4021					
(20) 4052 - 4057					
(36) 4070 - 4079					
(4) 4088 - 4090					
(8) 4103 - 4105					
(8) 4187 - 4191					
(12) 4249 - 4252					
(44) 4279 - 4290					
(162) Total Holes					
FILL					4363
					4411
7-7/8" Hole					4415
5-1/2", 17# WC70					4425
w/300 sxs cmt					
					TD 4726

WELL WORK HISTORY		
09/25/1990	FRAC 4249-4290 w/35M GAL GEL, 36M# 20/40	
11/15/1990	FRAC 4019-4191 w/56M GAL GEL, 30M# 40/70, 52M# 20/40	
11/22/1990	INSTALL 2-1/4" TBG PMP	
09/24/1993	BREAKER/BALL TRTMT FROM 4019-4290	
09/29/1993	F/3748-3927 w/66M GAL XL CMHEC, 38M# 100 MESH, 70M# 16/30, 20M# 16/30 RC	
10/06/1993	POP w/ HPC 120 PMP	
02/22/1994	FLUSHED ROTOR & STATOR	
06/14/1994	HOLE IN TBG, TFF @ 4405	
09/21/1994	HOLE IN TBG, NEW HPC 100 PMP, TFF @ 4385	
12/18/1994	ROTOR LOCKED	
12/24/1994	PARTED RODS, TFF @ 4381	
09/08/1995	PARTED RODS, 1ST ROD ABOVE ROTOR	
10/04/1995	HOLE IN TBG, REPLACED STATOR & ROTOR	
12/30/1995	FLUSH ROTOR AND STATOR	
03/16/1996	PRTD ROD @ 175'; CO 4368-4386; LWRD 1 JT	
04/10/1996	PRTD ROD @ 2625'	
04/25/1996	PRTD ROD @ 1080'	
07/19/1996	PRTD ROD @ 1425'; CO ROD STRING	
11/05/1996	STATOR FAILURE; FISH TA	
02/12/1997	PARTED RODS; CO 144 RODS; TFF 4368'	
04/15/1997	PARTED RODS; PART @ 4125	
05/01/1997	STATOR FAILURE; FISH TA	
07/01/1997	FLUSHED WELL BORE W/ 100 BW	
NOTES:	BP @ 4415	
TUBING BREAKDOWN		
2-7/8"	138 JTS	
TA	0	
2-7/8"	JTS	
3-1/2"	1 JTS	
SN		
TAG BAR	4311	
2-7/8"	JTS	
NC	4313	
EOT	0	
ROD BREAKDOWN		
PONIES	12'	
1"	4225'	
1 1/2" PR	30'	
1" GUIDE	25'	
PUMP	PC	
BMW 60-5200		
DEVIATION ANGLE	FORMATION	TOP
650 1.3	PRICE RIVER	2656
1019 1	CASTLEGATE	3092
1620 0.8	BLACKHAWK	3412
1901 1.3	KENILWORTH	4106
2534 2.5	ABERDEEN	4320
3005 3	SPRING CANYON	4450
3483 3.3		
4093 3.8		
4397 4.8		
LAST REVISED: 07/21/1998		

CUSTOMER: Anadarko WELL NO. #3 LEASE: Shimmer JOB TYPE: P&A TICKET NO. 433729

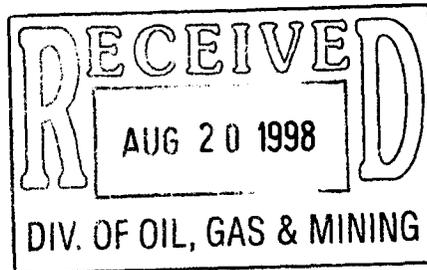
TIME	DEPTH	WELL NO.	DEPTH	DEPTH	DEPTH	DEPTH	DESCRIPTION
12:40							ON Loc, Rig 247
13:00							Soft Mottling
13:00							R.I.H
13:51			2500	2200	⊖	⊖	WT ↓ @ 2500'
14:00			3,000	2800	⊖	⊖	WT ↓ @ 3098' Tag @ 3099'
14:03	1.0	8			1,000	⊖	Start pumping C.M.T. Down C.T. @ 3093'
14:05	1.0	69			1,000	⊖	Start pumping P&Z Down C.T. @ 3093'
14:50	1.0		1450		2600	⊖	Have Returns
15:04	1.0	1.2					Start pumping C.M.T. Down C.T. @ 2900'
15:16	1.5	13	600		1,000		Start pumping P&Z Down C.T. @ 2900'
15:25	1.5	1.2	200		640	⊖	Start pumping C.M.T. Down C.T. @ 2900'
15:38	1.5	5	100		50		Start pumping Displacement Down C.T.
15:58							Oil Surface perpic to pump & down C.T. on Back side
16:10							Start Running C.T. Down Backside (85% to 100%)
16:45		3	300		900	⊖	Tag @ 100' start pumping C.M.T. Down C.T. on Back side.
17:05						⊖	C.M.T. on Top Rig. Down to New Loc

Thank You.



August 13, 1998

State of Utah
 Division of Oil, Gas and Mining
 1594 West North Temple, Suite 1210
 P.O. Box 145801
 Salt Lake City, Utah 84414-5801



Re: State Form 9
 Castlegate Field
 Carbon County, Utah

Gentlemen:

Please find enclosed, Sundry Notices and Reports on Wells (Form 9) outlining the plugging and abandoning procedures performed for the following wells:

SHIMMIN TRUST 1 <i>fr SGW to PA</i>	JENSEN 11-15 <i>fr SGW to PA</i>
SHIMMIN TRUST 2 " " " "	JENSEN 16-9 " " " "
SHIMMIN TRUST 3 " " " "	JENSEN 16-10 " " " "
SHIMMIN TRUST 4 " " " "	FEDERAL 4-13 <i>fr SGW to PA</i>
SHIMMIN TRUST 5 " " " "	FEDERAL 4-15 " " " "
SHIMMIN TRUST 10-11 <i>fr WD W to PA</i>	FEDERAL 6-8 " " " "
SHIMMIN TRUST 11-11 <i>fr SGW to PA</i>	FEDERAL 7-9 " " " "
SHIMMIN TRUST 12-12 " " " "	FEDERAL 14-13 " " " "
SHIMMIN TRUST 14-12 " " " "	FEDERAL 14-14 " " " "
JENSEN 5-10 <i>fr SGW to PA</i>	FEDERAL 16-14 " " " "
JENSEN 7-15 " " " "	FEDERAL 16-15 " " " "
JENSEN 9-10 " " " "	STATE 2-16 <i>fr SGW to PA</i>
JENSEN 11-10 " " " "	STATE 9-16 " " " "

Should you have any questions or require additional information, please contact me at (281) 873-1276.

Best regards,

ANADARKO PETROLEUM CORPORATION

Gaj A. Rupert

Gaj A. Rupert
 Engineering Technician

Enclosures

cc: Bureau of Land Management
 Moab District Office
 P.O. Box 970
 Moab, Utah 84532

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

GAR
 SMF
 TRC - Well File

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	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List											NO				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>CBM Wells</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: 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 <u>Denver</u> STATE <u>CO</u> ZIP <u>80217</u>		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: <u>(720) 929-6000</u>		8. WELL NAME and NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER: See Wells
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
		COUNTY: <u> </u>
		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

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 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