

Greenwood  
Holdings Inc.

5600 South Quebec Street  
Suite 150-C  
Englewood, Colorado 80111  
(303) 773-6703  
Facsimile: (303) 694-1154

RECEIVED

MAR 21 1991

DIVISION OF  
OIL GAS & MINING

March 19, 1991

Utah Division of Oil, Gas & Mining  
Mr. Ron Firth  
Three Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Notice of Staking  
Greenwood Holdings Inc.  
Duchesne and Uintah Counties, Utah

Gentlemen:

Please find attached copies of Greenwood Holdings Inc.s' filing of "Notice of Staking" for three wells in Duchesne and Uintah Counties, Utah. The subject wells are:

Federal 22-26  
SE NW 26 T8S R17E  
Uintah County Utah

Federal 12-26  
SW NW 26 T8S R17E  
Duchesne County Utah

Federal 22-25  
SE NW 25 T8S R17E  
Uintah County Utah

If you require additional information please feel free to contact me at the letterhead address.

Sincerely,  
Greenwood Holdings Inc.

James P. Ryder  
Operations Manager

**NOTICE OF STAKING**  
(Not to be used in place of  
Application to Drill Form 9-331-C)

RMOGA  
3/5/82

5. Lease Number  
UTU-67845

1. Oil Well  Gas Well  Other

6. If Indian, Allottee or Tribe Name

2. Name of Operator

Greenwood Holdings Inc

7. Unit Agreement Name

NONE

3. Address of Operator or Agent

5600 S Quebec Suite 150-C  
ENGLEWOOD COLORADO 80111

8. Farm or Lease Name

Federal

4. Surface Location of Well  
(Governmental 1/4 or 1/4 1/4)

43-047-32008

SE NW section 25 T8S R17E

del  
copy

10. Field or Wildcat Name

Undesignated/Wildcat

Attach: Topographical or other acceptable map  
showing location, access road, and lease boundaries.

11. Sec., T., R., M., or  
Blk and Survey or Area

Sec. 25 T8S R17E

14. Formation Objective(s)

Greenriver

15. Estimated Well Depth

6900'

12. County or Parish

Uintah

13. State

Utah

16. To Be Completed by Operator Prior to Onsite

- a. Location must staked
- b. Access Road Flagged
- c. Sketch and/or map of location, showing road, pad dimensions, reserve pit, cuts, and fills  
(To be provided at onsite)

17. To Be Considered By Operators Prior to Onsite

- a. H<sub>2</sub>S Potential
- b. Private-Surface Ownership
- c. Cultural Resources (Archaeology)
- d. Federal Right of Way

18. Additional Information

19. Signed

Title

operations mgr

Date 3-19-91

**RECEIVED**

MAR 21 1991

DIVISION OF  
OIL GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.  
UTU-67845

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
NONE

8. FARM OR LEASE NAME

9. WELL NO.  
FEDERAL 22-25

10. FIELD AND POOL, OR WILDCAT  
UNNAMED/Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
SEC 25, T8S-R17E

12. COUNTY OR PARISH  
UINTAH

13. STATE  
UTAH

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  
GREENWOOD HOLDINGS INC.

3. ADDRESS OF OPERATOR  
5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1667' FNL, 1773' FWL, SE\*~~NW~~\* SEC.25, T8S-R17E  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
SEVEN (8) MILES SOUTHEAST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1667'

16. NO. OF ACRES IN LEASE 1,480

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. 4350'+

19. PROPOSED DEPTH 6,900"

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5,049' GL

22. APPROX. DATE WORK WILL START\*  
May 1, 1991

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" J55	24#	300'	200 SX CIRC TO SURFACE*
7 7/8"	5 1/2" K55	15.5#	0-6,900'	725 SX AS REQUIRED*

\* CEMENT VOLUMES MAY CHANGE DUE TO HOLE SIZE. CALCULATE FROM CALIPER LOG.

GREENWOOD REQUESTS EXCEPTION TO RULE R615-3-2 (pursuant to R615-3-3) DUE TO PROHIBITIVE TOPOGRAPHY. A LARGE BUTTE EXISTS IN THE N~~W~~ OF THIS SECTION. DRILLING NEAR THE EDGE OF THIS FEATURE MAY CAUSE EROSION AND HAZARDOUS OPERATING CONDITIONS. Placement of the location as staked will allow construction of the site a safe distance from the escarpment. GREENWOOD OWNS OR CONTROLS ALL PROPERTY WITHIN 660' OF THIS LOCATION.

I hereby certify that Greenwood Holdings Inc. is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the Federal Lease #UTU-67845. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Continental Casualty Co. Nationwide Bond #2666648, BLM Bond #WY2246. Greenwood Holdings Inc. will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

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 Thomas B. Foster TITLE Vice President DATE April 11, 1991

(This space for Federal or State office use)

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

APPROVED BY Assistant District Manager Minerals TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE 4/25/91

NOTICE OF APPROVAL

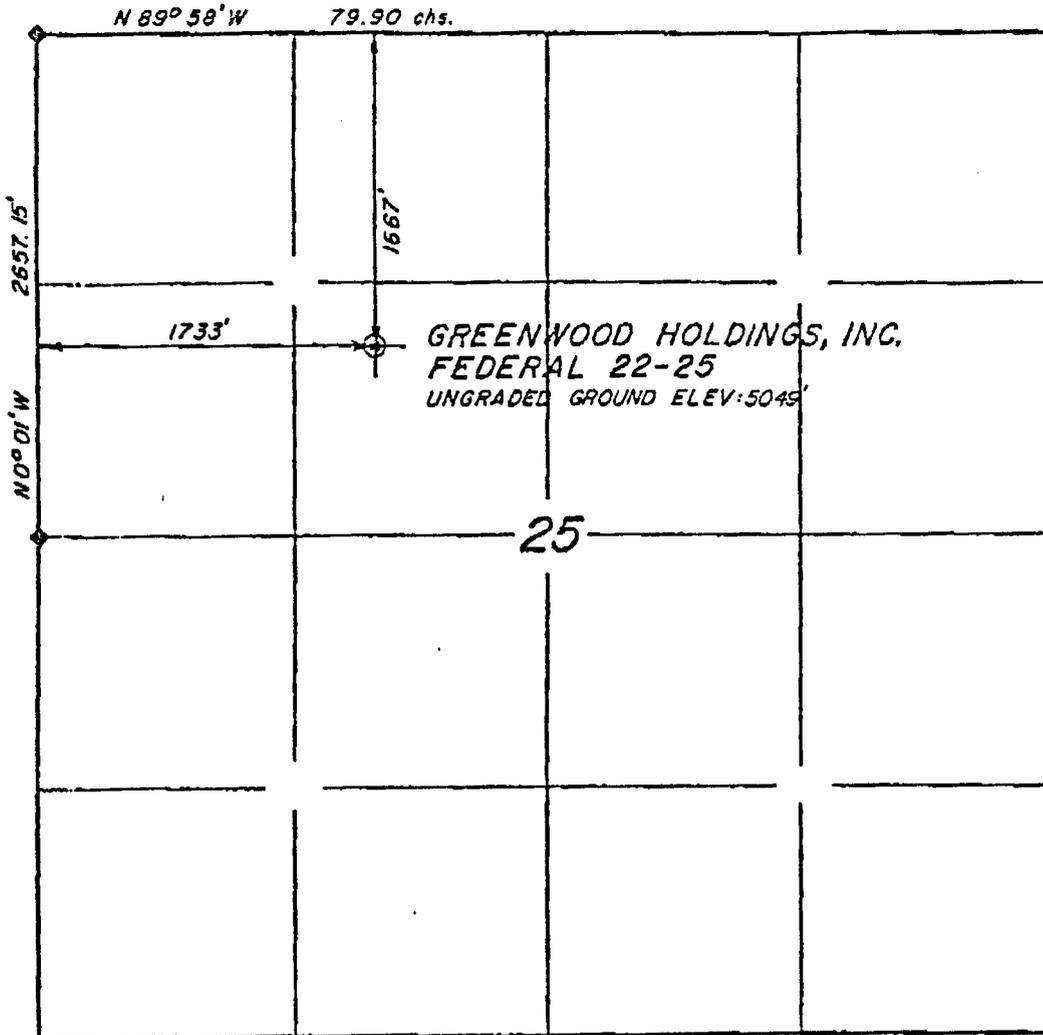
Ut 080-1m112

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

**GREENWOOD HOLDINGS, INC.  
WELL LOCATION PLAT  
FEDERAL 22-25**

LOCATED IN THE SE $\frac{1}{4}$  OF THE NW $\frac{1}{4}$  OF  
SECTION 25, T8S, R17E, S.L.B.&M.



SCALE: 1"=1000'

**LEGEND & NOTES**

- ◆ Monuments found and used by this survey.
- The General Land Office (G.L.O.) plat was used for reference and calculations, and the basis of bearings.

An elevation of 5049' above sea level at N.W. Corner of Section 25 as indicated on the USGS map was used as the basis of elevations.

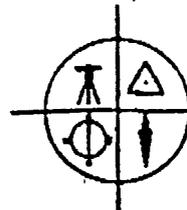
**SURVEYOR'S CERTIFICATE**

I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established.

*Jerry D. Allred*  
 Jerry D. Allred, Registered Land Surveyor, Cert. No. 3817, (Utah)

FIGURE 1  
WELL LOCATION PLAT

1 April '91 91-121-002



**JERRY D. ALLRED & ASSOCIATES**  
 Surveying & Engineering Consultants

121 North Center Street  
 P.O. Drawer C  
 DUCHESNE, UTAH 84021  
 (801) 738-5352

DRILLING PROGRAM

Company: Greenwood Holdings Inc. Well No. Federal 22-25  
Location SE NW Section 25, T. 8S R. 17E Lease No. UTU-67845  
Uintah County, Utah.

Onsite Inspection Date April 4, 1991

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

1. Surface Formation and Estimated Formation Tops:

<u>Formation</u>	<u>Depth</u>	<u>Datum (GR)</u>
Uinta	Surface	5045'
Green River	1750'	+3305'
Garden Gulch	4255'	+ 800'
Douglas Creek Marker	5040'	+ 15'
Wasatch	6420'	-1365'
TD	6900'	-1845'

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	Green River, Wasatch	5090' -6400', 6470' -6900'
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top @ 2500'

All fresh water and prospectively valuable minerals (as described by BLM at onsite) 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)

A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the surface casing as described below:

A. Type: 11" Double Gate Hydraulic.

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Kill line (2-inch minimum).

Greenwood Holdings Inc.

Drilling Prognosis

Page 2

3. Pressure Control Equipment: (Continued)

4. One (1) kill line valve (2-inch minimum).
5. One (1) choke line valve.
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available.
8. Safety valve & subs to fit all drill strings in use.
9. 2-inch (minimum) choke line.
10. Pressure gauge on choke manifold.

B. Pressure Rating: 3,000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge

Greenwood Holdings Inc.

Drilling Prognosis

Page 3

E. Accumulator: (Continued)

pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order #2.

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Operating Order #2.

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller.

Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 100 feet (minimum) from the center of the drill hole to a separate flare pit.

4. The Proposed Casing and Cementing Program:

A. Casing Program:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>New/Used</u>	<u>Depth</u>
12-1/4"	8-5/8"	24#	J-55	STC	New	300'
7-7/8"	5-1/2"	15.5#	K-55	LTC	New/Used	TD

Casing string(s) will be pressure tested to 0.22 psi per foot, or 1500 psi (not to exceed 70% of the internal yield strength of the casing), whichever is greater, after cementing and prior to drilling out from under the casing shoe.

B. Cementing Program:

Surface Casing : Cement with approximately 200 sx Class "G" cement + additives, circulated to surface with 100% excess.

Production Casing : Lead with approximately 325 sx "Lite" cement with Cello-seal plus additives; tail with approximately 400 sx class "G" cement + additives. Volume will be calculated to extend 200' above the top of the Green River oil shale beds as identified on logs.

Greenwood Holdings Inc.

Drilling Prognosis

Page 4

B. Cementing Program: (Continued)

Actual cement volumes to be required will be determined from the caliper log.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-300'	Water	-----	-----	-----
300-6900'	KCL Water	8.4	28	NC

Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.

No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Evaluation Program:

Logs : DLL-GR-SP 6900' -Surface  
FDC-CNL 6900' -4200'  
Caliper log 6900' -1800'

DST's : None anticipated

Cores : None anticipated.

The proposed evaluation program may change at the discretion of the wellsite geologist, with prior approval from the Authorized Officer, Bureau of Land Management.

Stimulation:

No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Whether the well is completed as a dry hole or as a producer, Well Completion and Recompletion Report and Log (Form 3160-4) will be submitted to the Book Cliffs Resource Area Office not later than thirty (30) days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164.

Greenwood Holdings Inc.

Drilling Prognosis

Page 5

Stimulation: (Continued)

Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer, Book Cliffs Resources Area Office, Bureau of Land Management, 170 South 500 East, Vernal, Utah 84078, Phone: (801) 789-1362.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2,988 psi (calculated at 0.433 psi/foot).

8. Anticipated Starting Dates and Notification of Operations:

A. Drilling Activity

Anticipated Commencement Date : May 1, 1991  
Drilling Days : Approximately 10 Days  
Completion Days : Approximately 7 Days

B. Notification of Operations

The Book cliffs Resource Area Office, Bureau of Land Management will be notified at least twenty-four (24) hours PRIOR to the commencement of the following activities:

1. Spudding of the well. This oral report will be followed up with a Sundry Notice (Form 3160-5);
2. Initiating pressure tests of the blow-out preventer and related equipment;
3. Running casing and cementing of ALL casing strings.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval of the Authorized Officer. If operations are to be suspended, prior approval of the Authorized Officer will be obtained and notification given before resumption of operations.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with

Greenwood Holdings Inc.

Drilling Prognosis

Page 6

B. Notification of Operations (Continued)

the Royalty Management Program, Minerals Management Service, P. O. Box 17110, Denver, Colorado 80217.

Immediate Report: spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the provisions of NTL-3A or its current revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the Authorized Officer, and all conditions of this approved plan will be applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the Authorized Officer will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication no later than five (5) business days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the Authorized Officer, produced water may be temporarily disposed of into the reserve pit for a period of up to ninety (90) days. During this period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the Authorized Officer.

Pursuant to NTL-4A, lessees and operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of thirty (30) days or the production of fifty (50) MMCF of gas, whichever occurs first. An application must be filed with the Authorized Officer, and approval received, for any venting/flaring of gas beyond the initial thirty (30) days or otherwise authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the Vernal District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the Authorized Officer. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the Authorized Officer.

Greenwood Holdings Inc.

Drilling Prognosis

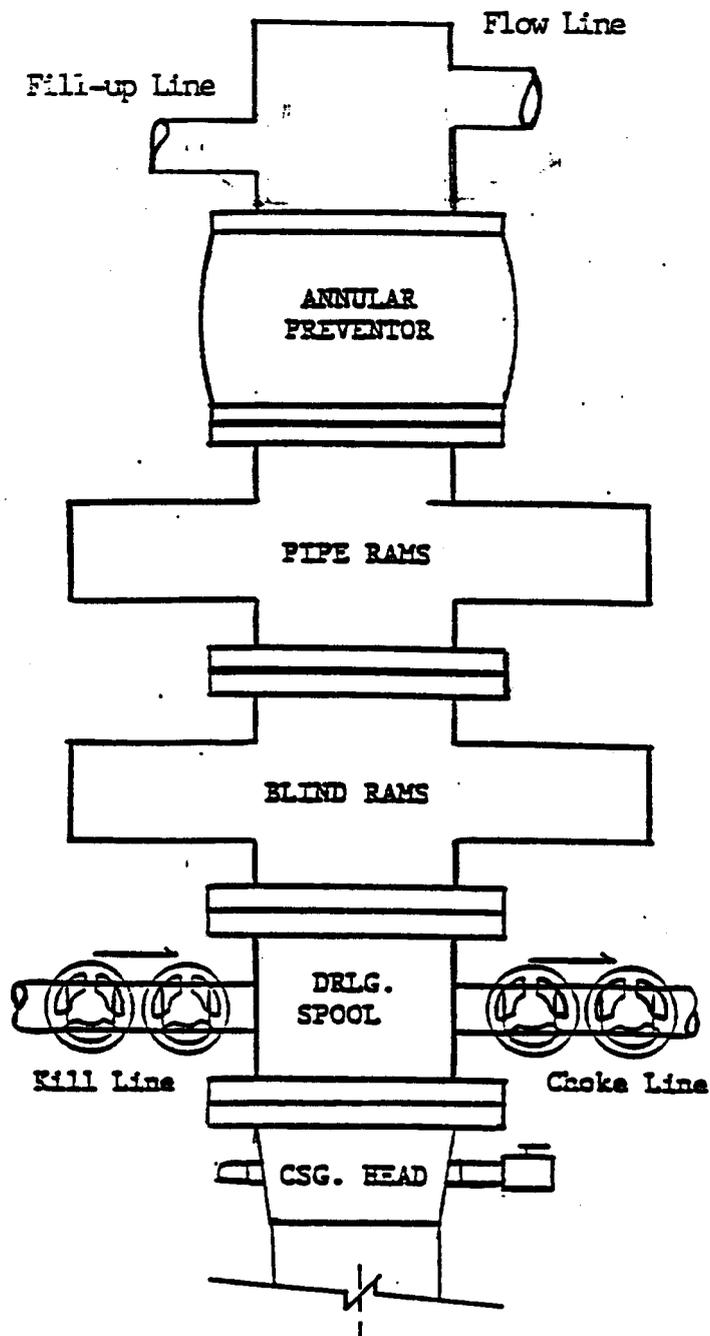
Page 7

B. Notification of Operations (Continued)

A "Notice of Intention to Abandon" (Form 3160-5) will be filed with the Authorized Officer within fifteen (15) days following the granting of oral approval to plug and abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3161.6. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable; Company Name, Corporation Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and Federal or Indian Lease Number.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the well bore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection. Final abandonment will not be approved until the surface reclamation work required by the approved Application for Permit to Drill has been completed to the satisfaction of the Authorized Officer or his representative, or the appropriate Surface Management Agency.



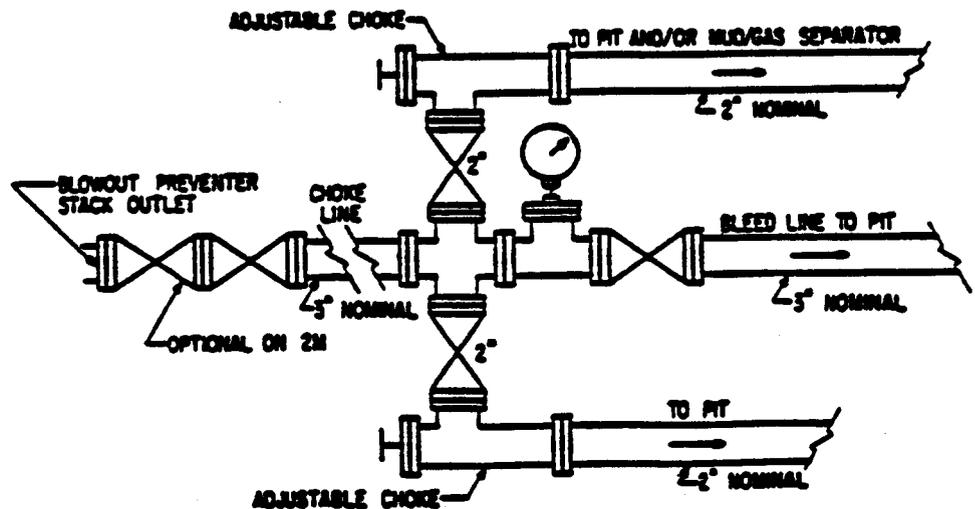
1. BOP equipment will consist of a double gate, hydraulically operated preventor with pipe & blind rams or two single ram type preventors, one equipped w/ pipe rams, the other w/ blind rams. BOP system will be consistent w/API RP 53.
2. BOP's will be well braced w/hand controls extended clear of substructure
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. All BOP equipment will be tested to 2500# for 15 minutes. The BOP's will be tested at the time of installation and every 30 days thereafter. BOP's will be mechanically checked daily.
5. Modification of hook-up or testing procedure will be approved in writing on tour reports by wellsite representative.

## BOP Schematic 3000\* WP

GREENWOOD HOLDINGS INC

Federal 22-25  
SENV Sec. 25 T8S R17E  
Uintah County, Utah

## Accumulator



Note: Application for right-of-way made  
herewith, see last page.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Company Greenwood Holdings, Inc. Well No. Federal 22- 25  
Location SE NW Section 25, T. 8S R. 17E Lease No. UTU-67845  
Uintah County, Utah

1. Existing Roads: Refer to Maps "C" & "D" (Shown in ORANGE)
  - A. The proposed well site is staked and four 200-foot reference stakes are present.
  - B. To reach the location from the town of Myton, Utah; proceed southwest 1.5 miles on Highway 40 to the "Pleasant Valley" sign. Turn left on State Highway 53 and go south approximately 2 miles to County Road 216.  
  
Follow County Road 216 (3.7 miles) to BLM sign.  
  
Continue on County Road 216 (0.7 miles) past the BLM sign to intersection on east side of road. Turn left (east) towards radio tower, proceed (3.0 miles) to gate.  
  
From gate, continue east along hillside 1.5 miles to fork, keep right, continue 1.0 miles southeast to location.  
  
Lease road will be marked with signs.
  - C. Access roads - refer to Maps "C" & "D".
  - D. Access roads within a one-mile radius - refer to Map "C".
  - E. The existing gravel roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.
2. Planned Access Roads: Refer to Map "D" (Shown in Yellow)

Approximately 0.7 miles (3700 feet) of new road construction will be required for access to the proposed well location.

  - A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched.
  - B. Construction standard - the access road will be constructed in accordance with Bureau of Land Management Roadway Guidelines established for oil and gas exploration and development activities as referenced in the BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

2. Planned Access Roads: (Continued)

Construction standard - the road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed and safe road.

Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainage be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at a frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - determined by the onsite not to exceed 5%.
- D. Turnouts - turnouts will be constructed along the access route as necessary or required to allow for the safe passage of traffic. None anticipated at this time.
- E. Drainage design - the access road will be crowned, ditched, and water turnouts installed as necessary to provide for proper drainage along the access road route. Borrow ditches with water turnouts will be constructed to provide proper drainage along the access route.
- F. Culverts, cuts and fills - no culverts will be required. The road cut in SESE Section 23 will be at 5% grade. No other major cuts and/or fills are anticipated along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattle guards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in

2. Planned Access Roads: (Continued)

accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road is flagged.

3. Location of Existing Wells Within a One-Mile Radius:

Please refer to Map "C".

- A. Water Wells - none known.
- B. Abandoned Wells - None.
- C. Temporarily Abandoned Wells - none known.
- D. Disposal Wells - none known.
- E. Drilling Wells - none known.
- F. Producing Wells - NESE, Section 23, T8S, R17E.
- G. Shut-in Wells - none known.
- H. Injection Wells - none known.
- I. Monitoring Wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Greenwood Holdings, Inc. Within a One-Mile Radius:

A. Existing - none.

- 1. Tank Batteries - none.
- 2. Production Facilities - none.
- 3. Oil Gathering Lines - none.
- 4. Gas Gathering Lines - none.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the back slope or toe of the fill slope.
- 2. The production facilities (consisting primarily of a christmas tree at the well head, dehydration unit, and emergency pit) will require an area approximately 300' X 135'. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations. The tank batteries will be located between points 4 and 5 on the "Well Layout Plat".
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

B. New Facilities Contemplated (Continued)

The dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (on-site for six months or longer) above-the-ground structures constructed or installed including pumping units will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five (5) State Rocky Mountain Interagency Committee. All production facilities will be painted within six (6) months of installation.

Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

The standard paint color is Desert Tan, Munsell standard Color number (10YR 6/3).

5. If at any time the facilities located on public lands and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), the Bureau of Land Management will process a change in authorization to the appropriate statute. The authorization will be subject to the appropriate rental or other financial obligation as determined by the Authorized Officer.

- C. The production (emergency) pit will be fenced with woven wire mesh topped with one (1) strand of barbed wire held in place with metal side posts and wooden corner "H" braces in order to protect livestock and wildlife. Please refer to Item #9E (page #'s 8&9) for additional information on the fencing specifications.

- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

- E. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management (Refer to Item #10A2, page 10) for the appropriate seed mixture and rate of application.

5. Location and Type of Water Supply:

- A. Water to be used for drilling and production of this well will be hauled by truck from Pleasant Valley. An alternate source is the live water in the drainage located in SWNE Section 25, for which a permit may be requested. In the event that this source is not used, other

5. Location and Type of Water Supply: (Continued)

arrangements will be made with the proper authorities for an alternate source.

- B. Water will be transported over existing roads via tank truck from the point of diversion to the proposed well location. No new construction will be required on/along the proposed water haul route. No off-lease/unit Federal lands will be crossed on/along the proposed water haul route. In the event that an alternate water source is used, all transport needs will follow the regulations defined by the proper surface owners and agencies.
- C. No water well will be drilled on this location.

6. Source of Construction Materials:

- A. Construction materials needed for surfacing of the well pad will be obtained from a local contractor having a permitted source (private) of materials in the area. Refer to Item #2F (page #2) regarding any construction materials which may be required on the access road.
- B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.
- C. If production is established, any additional construction materials needed for surfacing the access road and installation of production facilities will be purchased from a local supplier having a permitted (private) source of materials in the area.
- D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Greenwood Holdings Inc.

The reserve pit will be constructed so as not to leak, break, or allow discharge. A 12 mil (minimum) plastic nylon reinforced pit liner will be used with bedding and overlap used as necessary to prevent leakage.

7. Methods of Handling Waste Materials: (Continued)

C. Produced Fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped as and the contents disposed of in the nearest, approved, sewage disposal facility.

E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.

F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are back filled.

8. Ancillary Facilities: None anticipated.

9. Wellsite Layout:

A. Exhibit "A" shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.

B. Exhibit "A" is a diagram showing the rig layout. No permanent living facilities are planned. There will be one (1) trailer on location during drilling operations for the toolpusher.

9. Wellsite Layout: (Continued)

- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3169-5) for approval of subsequent operations (Refer to Item #4B, page #4, for additional information in this regard).
- D. A 12 mil (minimum) plastic nylon reinforced pit liner will be installed in order to prevent drilling water loss through seepage.
- E. Prior to the commencement of drilling operations, the reserve pit will be fenced "sheep tight" on three (3) sides according to the following minimum standards:
  - 1. 30-inch net wire shall be used with at least one (1) strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
  - 2. The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least 42 inches.
  - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

A. Production

- 1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
- 2. Upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

A. Production (Continued)

3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before back filling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed. Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.
5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within ninety (90) days from the date of well completion, weather permitting.
6. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 1.5:1 slope to a 3:1 slope by pushing the fill material back up into the cut.
7. If necessary a diversion ditch will be constructed above the east side of the location (after reclamation of the reserve pit area) and will be designed to divert runoff water to the south of the producing well location.
8. Upon completion of back filling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces (including the access road and location) will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces (including the access road and well pad areas) will be reseeded. Seed will be broadcast or drilled as recommended. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The appropriate seed mixture and restoration season will be determined by the BLM either as part of the Conditions of Approval of the APD or according to a surface reclamation plan submitted to and approved by the Surface Management Agency prior to restoration.

B. Dry Hole/Abandoned Location

1. At such time as the well is physically plugged and abandoned, Greenwood Holdings, Inc. will submit a "Subsequent Report of Abandonment" to the Authorized Officer for approval. At that time, the Bureau of Land Management will formulate the appropriate surface rehabilitation requirements and attach them as the conditions of approval for final abandonment.

11. Surface Ownership:

The well site and proposed access road are situated on surface estate which is owned by the United States of America and administered by:

Area Manager  
Book Cliffs Resource Area Office  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Phone: (801) 789-1362

A copy of the Right-of-Way agreement with the owner of certain surface rights along the proposed access is attached as Exhibit "E".

12. Other Information:

- A. The proposed well is located in the southern central portion of the Uinta Basin near the boundary between Duchesne and Uintah Counties seven miles south of Myton, Utah. The area is interlaced with numerous shallow gulches and arroyos ranging from a few feet to as much as 130' in depth and separated by flat crested ridges formed in sandstone, cobblerock, conglomerate, and shale deposits. Along with this badland type topography are broad areas of gravel covered terraces and buttes which support local dry land farming.

The majority of the small drainage are of a non-perennial nature with normal flow limited to the early spring run-off and rare heavy thunderstorms or rain storms. Normal annual precipitation is only eight inches.

The oils of this semi-arid area are of the Uinta Formation and Wasatch Formation, (the Fluvial Sandstone and Mudstone) from the Eocene Epoch. Visible geologic structure consists of light brownish-gray clays to sandy soils with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora; sagebrush, rabbitbrush, some grasses, and cacti. Willow, Cottonwood and low scrub brush are found long the lower areas close to drainage and streams.

The animals of the area consist predominately of mule deer, coyotes, rabbits, varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

- B. Surface Use Activities: The primary surface use is for grazing, much

12. Other Information: (Continued)

of the access road borders sprinkler irrigated hayfields.

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites:

1. The closest source of permanent water is the Duchesne River. The Duchesne River is located approximately 8 miles north of the proposed location.
2. The closest occupied dwellings are located in the town of Myton, approximately 8.0 miles to north-west.
3. Greenwood Holdings Inc. will be responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. If historic or archaeological materials are uncovered, Greenwood Holdings Inc. will suspend all operations that might further disturb such materials and immediately contact the Authorized Officer.

Within five (5) working days the Authorized Officer will inform Greenwood Holdings Inc. as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer are correct and that mitigation is appropriate.

If Greenwood Holdings Inc. wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, Greenwood Holdings Inc. will be responsible for mitigation costs.

3. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, Greenwood Holdings Inc. will then be allowed to resume construction.

12. Other Information: (Continued)

D. Additional Stipulations for Operations on Lands Administered by the Bureau of Land Management:

1. A silt catchment dam and basin will be constructed according to BLM specifications approximately 200 feet east of the location where flagged. A copy of the BLM specifications. "Minimum Standards for Dams Impounding Under 10 Acre Feet" is attached hereto as Exhibit "F".
2. Greenwood Holdings Inc. will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the Bureau of Land Management, or the Uintah County Extension Office. On lands administered by the Bureau of Land Management, it is required that a "Pesticide Use Proposal" shall be submitted, and approval obtained, prior to the application of herbicides or other pesticides or possible hazardous chemicals for the control of noxious weeds.
3. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on federal lands after conclusion of drilling operations or at any other time without the proper authorization from the Bureau of Land Management. However, if BLM authorization is obtained, it is only a temporary measure to allow Greenwood Holdings, Inc. the time to make arrangements for permanent storage at a commercial facility.
4. Greenwood Holdings Inc. shall contact the Bureau of Land Management between 24 and 48 hours prior to commencement of construction activities on the access road and/or well location: (801) 789-1362.
5. The Bureau of Land Management shall be notified upon site completion and prior to moving drilling tools onto the location.

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

Representative

Greenwood Holdings Inc.	(303) 773-6703 Office (8:00AM-5:00PM)
Jim Ryder, Operations Manager	(303) 973-6675 Home

Certification:

Greenwood Holdings Inc.	(303) 773-6703 Office (8:00AM-5:00PM)
Tom Foster	(303) 690-5061 Home

Certification: (Continued)

Greenwood Holdings Inc.  
5600 S. Quebec Street  
Suite 150-C  
Englewood, CO. 80111

(303) 773-6703 (8:00AM-5:00PM)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Greenwood Holdings Inc. will be fully responsible for the actions of their subcontractors. A complete copy of the approved Application for Permit to

Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Greenwood Holdings, Inc., its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

APR 11 1991

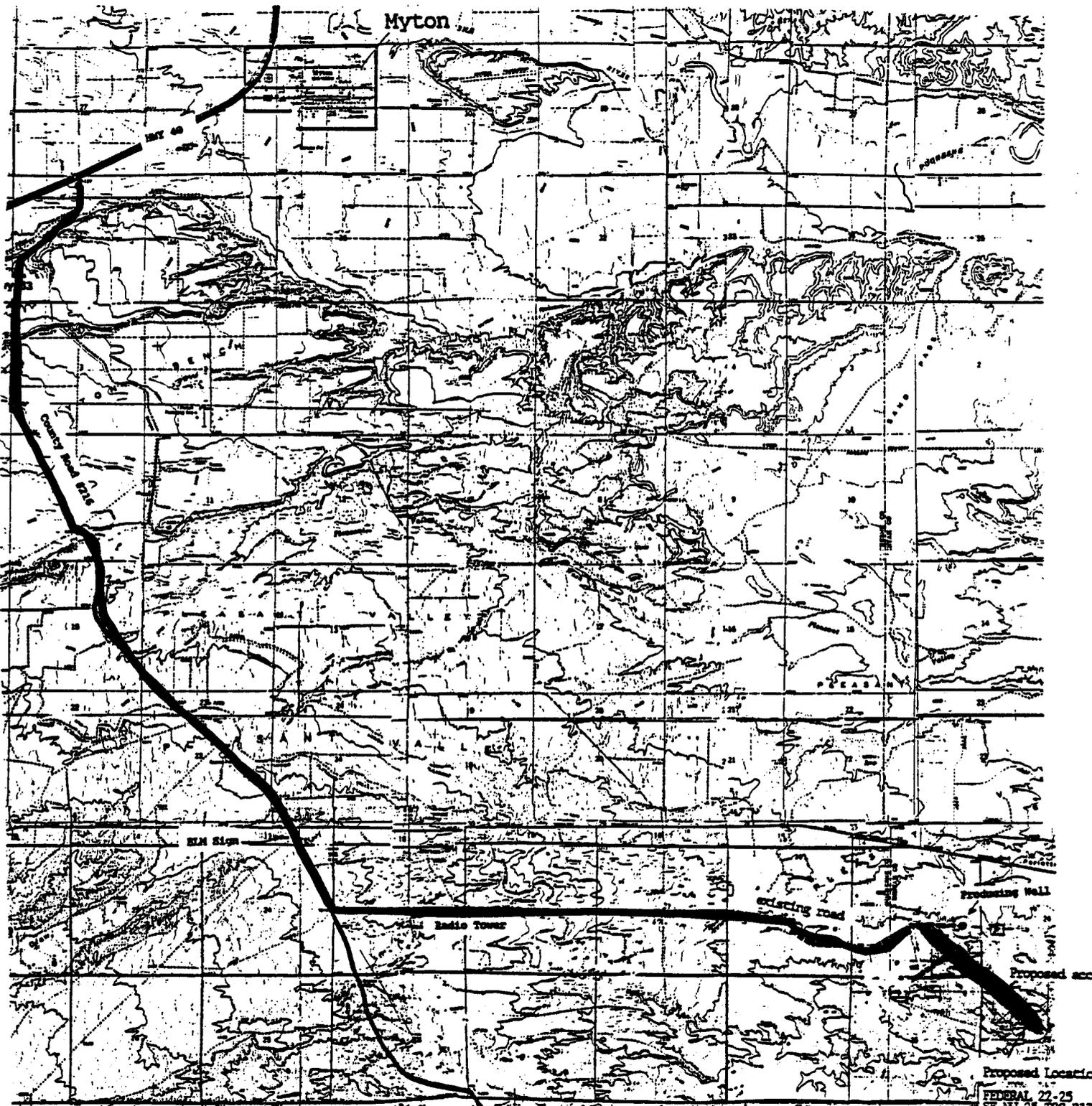
Date



Authorized Agent

Thomas B. Foster, Vice President

Application is hereby being made for right-of-way across BML lands not previously established by Greenwood Holdings Inc. for lands affected by this plan. These lands include portions of Sections 23 and 24, Township 8 South, Range 17 East, as shown on Map "D".

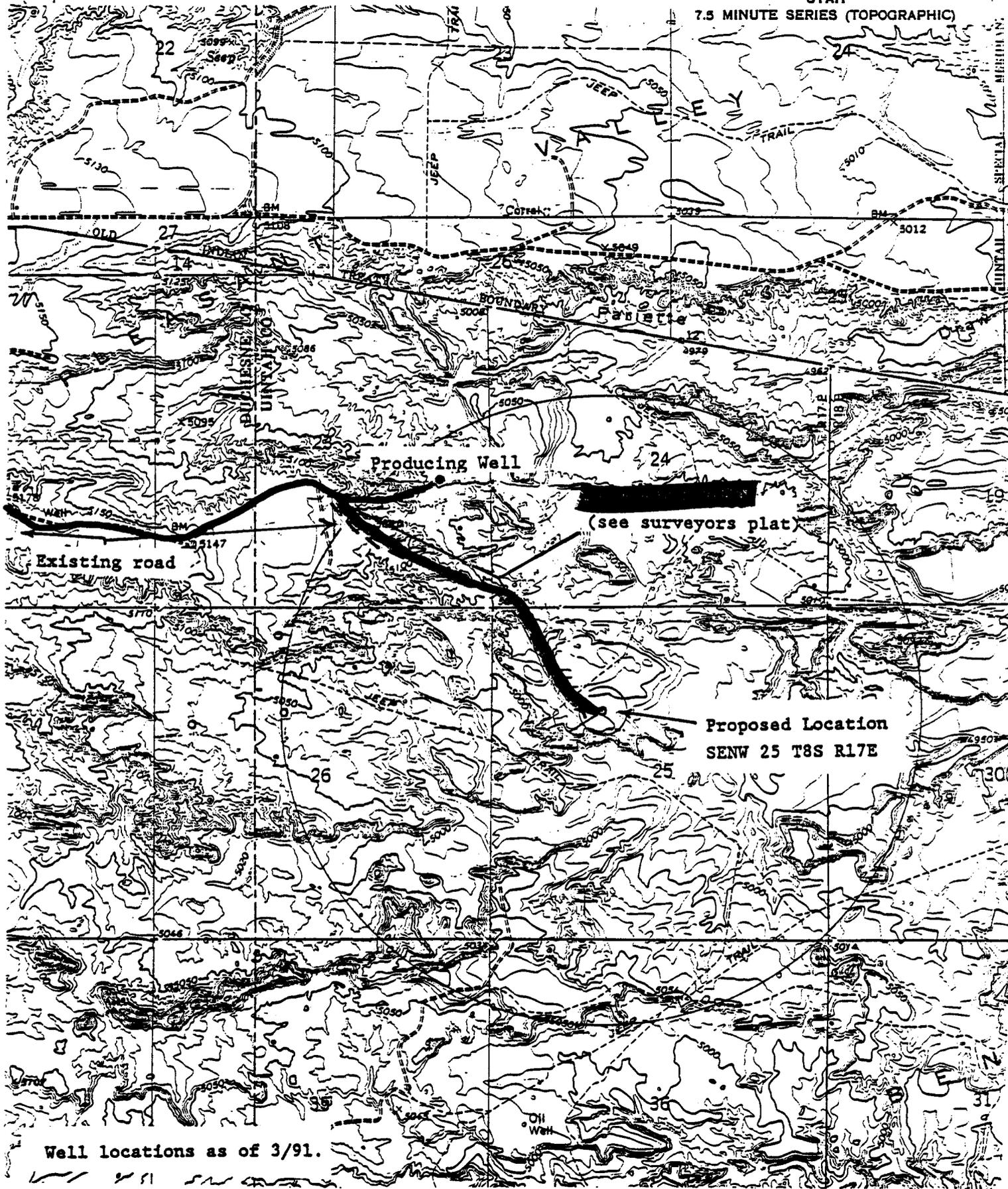


Federal 22-25  
 SENW Sec. 25 T8S R17E  
 Uintah County, Utah

Greenwood Holdings Inc.

LOCATION MAP "C"

PARIETTE DRAW SW QUADRANGLE  
UTAH  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Well locations as of 3/91.

Federal 22-25  
SENW Sec. 25 T8S R17E  
Uintah County, Utah

SCALE 1:24000

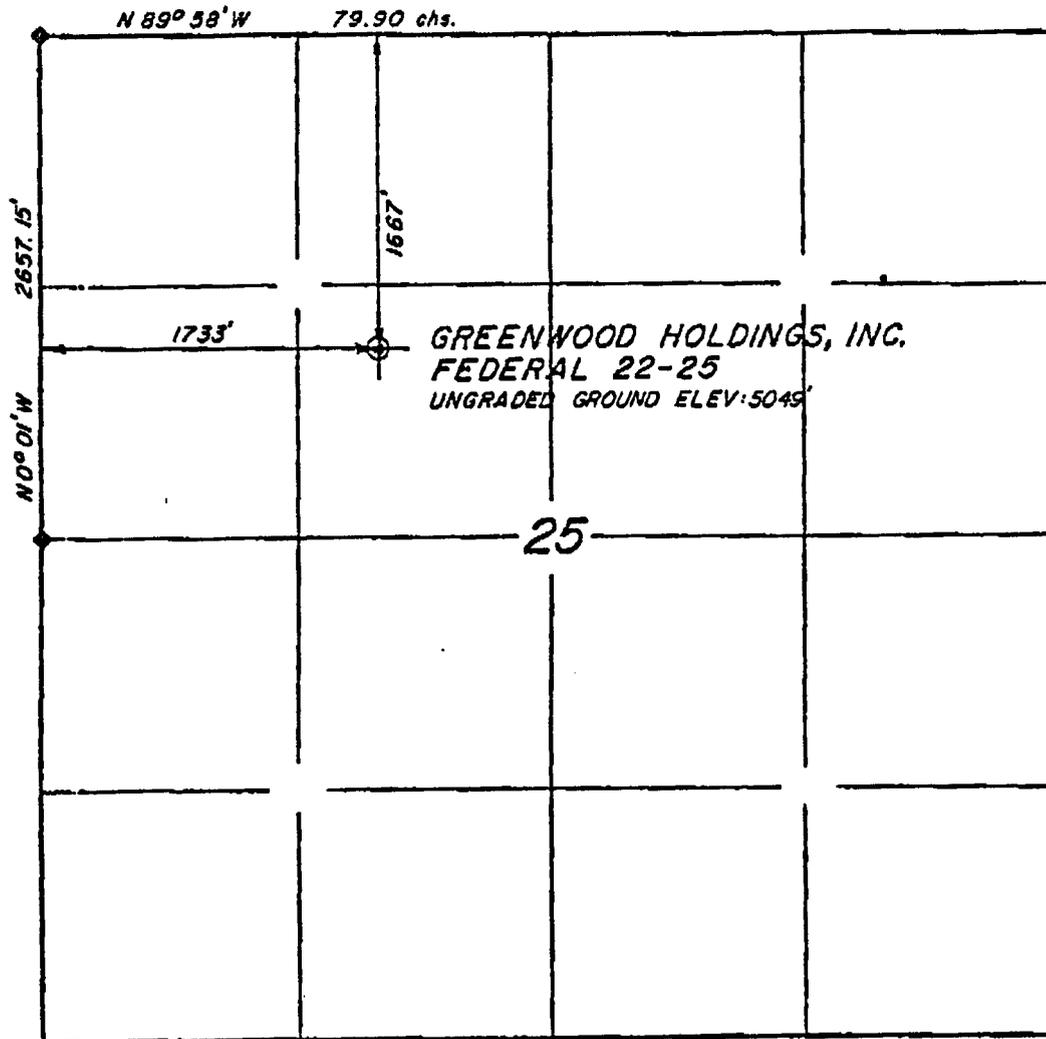
Greenwood Holdings Inc.

LOCATION MAP "D"



**GREENWOOD HOLDINGS, INC.  
WELL LOCATION PLAT  
FEDERAL 22-25**

LOCATED IN THE SE $\frac{1}{4}$  OF THE NW $\frac{1}{4}$  OF  
SECTION 25, T8S, R17E, S.L.B.&M.



**LEGEND & NOTES**

- ◆ Monuments found and used by this survey.

The General Land Office (G.L.O.) plat was used for reference and calculations, and the basis of bearings.

An elevation of 5049' above sea level at N.W. Corner of Section 25 as indicated on the USGS map was used as the basis of elevations.

**SURVEYOR'S CERTIFICATE**

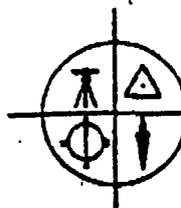
I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established.

*Jerry D. Allred*  
 Jerry D. Allred, Registered Land  
 Surveyor, Cert. No. 3817 (Utah)

FIGURE 1

WELL LOCATION PLAT

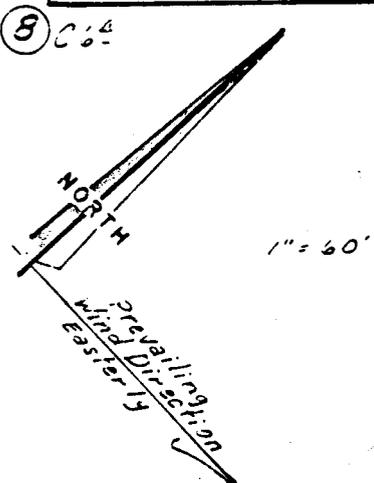
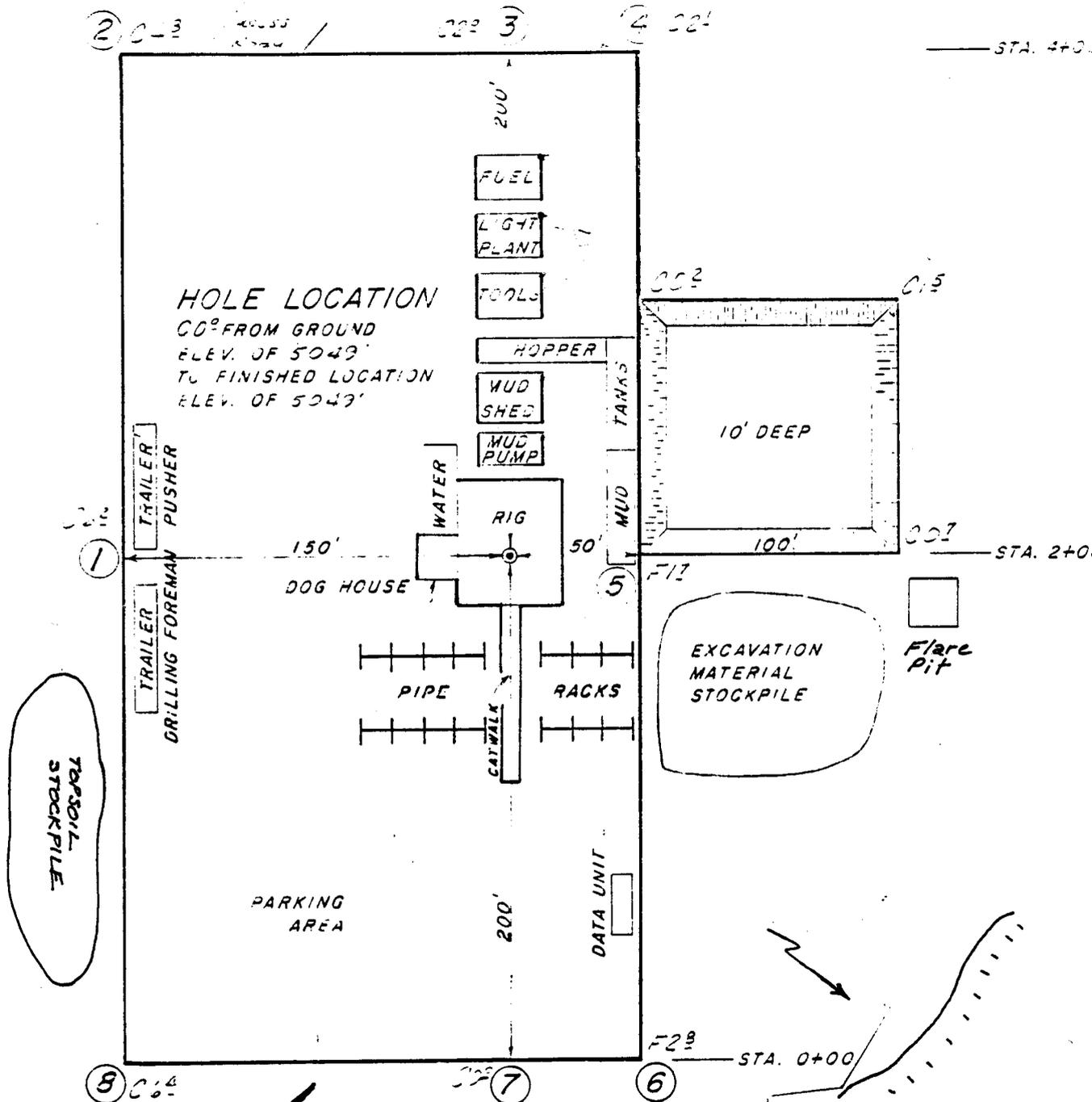
1 April '91 91-121-002



**JERRY D. ALLRED & ASSOCIATES**  
 Surveying & Engineering Consultants

121 North Center Street  
 P.O. Drawer C  
 DUCHESNE, UTAH 84021  
 (801) 738-6382

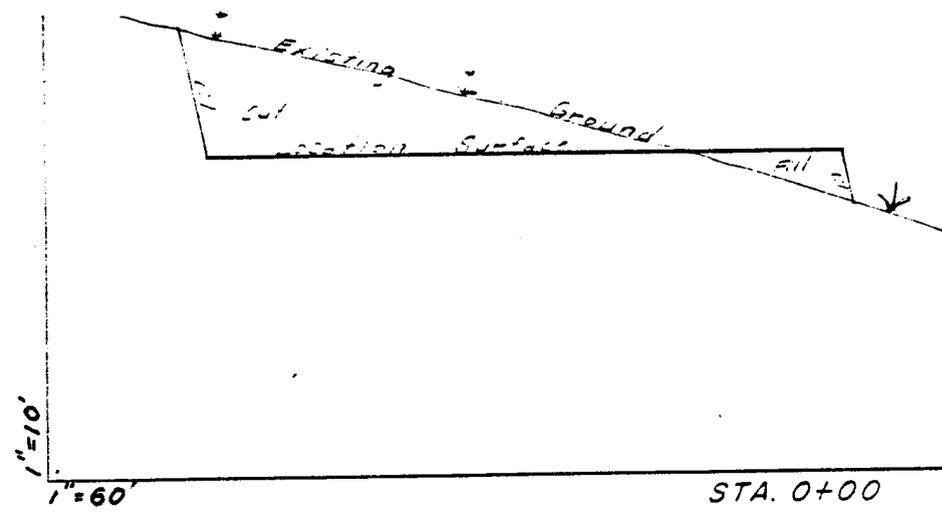
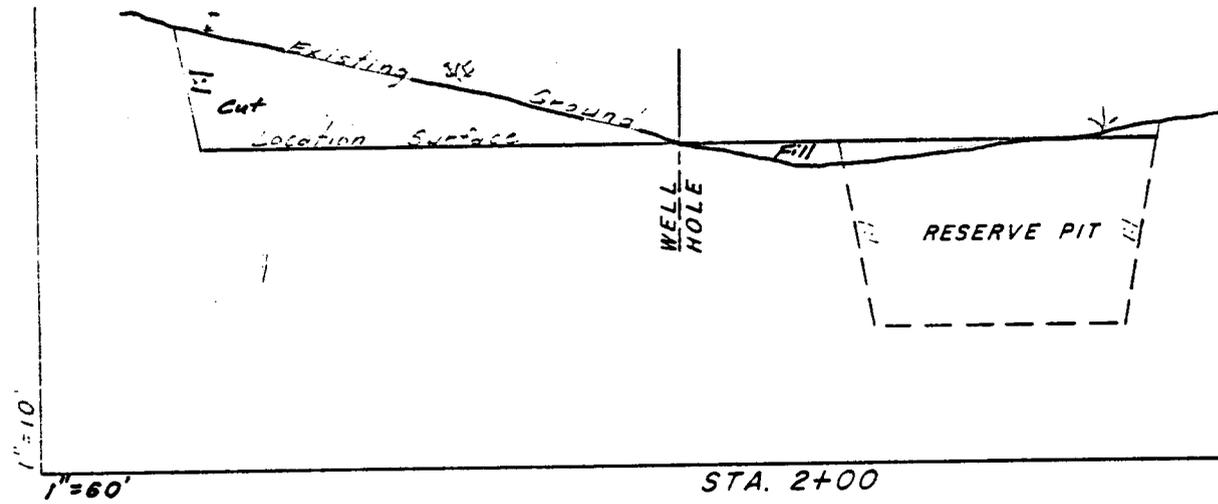
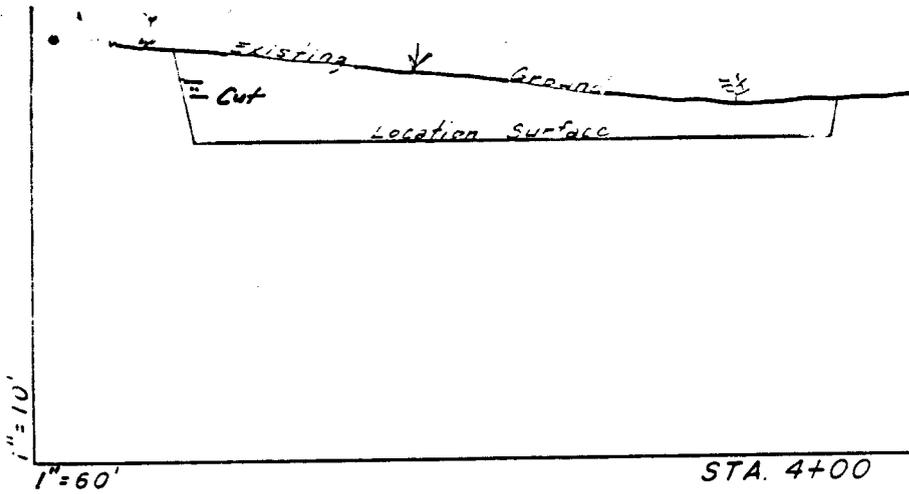
GREENWOOD HOLDINGS, INC.  
WELL LAYOUT PLAT  
FEDERAL 22-25



Silt Catchment Dam to be constructed 200' East of the Location as Flagged.

EXHIBIT "A"  
DRILL SITE LAYOUT

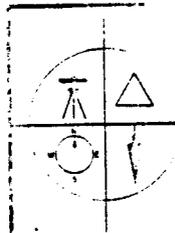
Loca in the SE 1/4 of the NW 1/4 of Section 25, T8S, R17E, S.L.B. & M.



**EXHIBIT "A" DRILL SITE LAYOUT  
CUT AND FILL DIAGRAM**

APPROXIMATE QUANTITIES

CUT: 10,900 yd<sup>3</sup>  
FILL: 500 yd<sup>3</sup>



**JERRY D. ALLRED & ASSOCIATES**  
Surveying & Engineering Consultants

121 North Center Street  
P.O. Drawer C  
DUCHESNE, UTAH 84021  
(801) 738-5352

4 April '91

91-121-052

ROAD EASEMENT AND  
RIGHT OF WAY AGREEMENT

Ans'd.....

This Agreement is made and entered into this 25th day of March, 1991, by and between, Ethan L. Nelson and Louise M. Nelson, husband and wife, and Brad L. Nelson and JoAnn H. Nelson, husband and wife, of P. O. Box 638, Roosevelt, Utah 84066, hereinafter collectively referred to as "Grantor", and Greenwood Holdings Inc., of 5600 South Quebec Street, Suite 150-C, Englewood, Colorado 80111, hereinafter referred to as "Operator".

WHEREAS, Grantor owns the surface of the land located in the N½SW¼, SE½SW¼ and S½SE¼ of Section 22 and the S½SW¼ of Section 23 and Grantor owns an agricultural permit issued by the United States Department of Interior covering certain lands located in the S½ of Section 23, all in Township 8 South, Range 17 East, SLM, Uintah and Duchesne Counties, Utah, hereinafter referred to as "Grantor's Lands"; and

WHEREAS, Operator desires access across the Grantor's Lands in order to drill wells, on lands other than the Grantor's Lands, for the purposes of exploring for oil and gas, and to operate and produce the wells if production is established.

NOW, THEREFORE, In consideration of the premises and the mutual covenants and obligations contained herein, Grantor and Operator agree as follows:

1. Grantor hereby grants and conveys unto Operator, its agents, successors and assigns, the right to use the existing road which crosses the Grantor's Lands from the west line of Section 22 into the southeast quarter of Section 23, Township 8 South, Range 17 East. Operator shall maintain the existing road and shall repair any damage caused by Operator's use thereof.

2. Grantor hereby grants and conveys unto Operator, its agents, successors and assigns, a right of way to construct and maintain a road across Grantor's Lands. Said road shall commence at the existing road in Section 23 and run south into Section 26 and is more fully described on Exhibit "A" attached hereto. This right of way is limited to that portion of the road that crosses the Grantor's Lands.

3. Grantor hereby acknowledges receipt of the sum of one thousand two hundred and no/100 dollars (\$1,200.00) cash in hand paid, which sum is consideration for this agreement, the renewal privileges herein granted, the rental for the first one year term hereof and settlement of damages caused to Grantor's Lands and Grantor's growing crops within the boundaries of the right of way described in Paragraph 2 hereof.

4. The term of this agreement shall be for a period of one year from the date hereof, with the right and privilege granted hereby to the Operator, its successors and assigns, to extend and continue this agreement from year to year thereafter, so long as the same is needed or desired by the Operator for its oil and gas operations, provided that Operator shall pay to the Grantor annually on or before the anniversary date hereof, the sum of one hundred and no/100 dollars (\$100.00). No change in the ownership of the Grantor's Lands shall be binding upon the Operator until it has been furnished with the original instrument of conveyance or transfer, or certified copy thereof, at least thirty (30) days in advance of the rental date.

5. In the event Operator drills any wells other than the well located in the NE½NW¼ of Section 26, Township 8 South, Range 17 East and Operator uses the above existing road and/or right of way for access to said additional wells, then Operator agrees to pay Grantor one hundred and no/100 dollars (\$100.00) prior to

commencing each additional well.

6. All gates on Grantor's Lands shall be kept closed and locked when not in use by the Operator unless written or verbal permission to the contrary is obtained from Grantor.

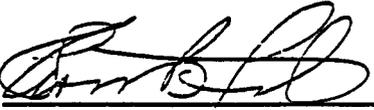
7. Upon termination of this agreement, Operator shall, within a reasonable period of time, restore the surface of the Grantor's Lands, which was disturbed by building the road described in paragraph 2 herein, as close as reasonably possible to its original condition.

8. Operator shall have the right to terminate and cancel this agreement at any time by furnishing written notice of termination to Grantor.

9. This agreement shall be binding upon and inure to the benefit of the parties hereto, their heirs, successors and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date first written above.

Greenwood Holdings Inc.

By:   
Thomas B. Foster  
Vice President

  
Ethan L. Nelson

\_\_\_\_\_  
Louise M. Nelson

  
Brad L. Nelson

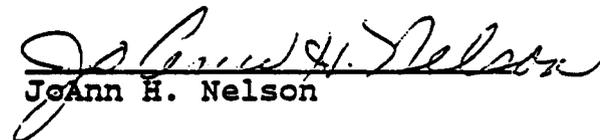
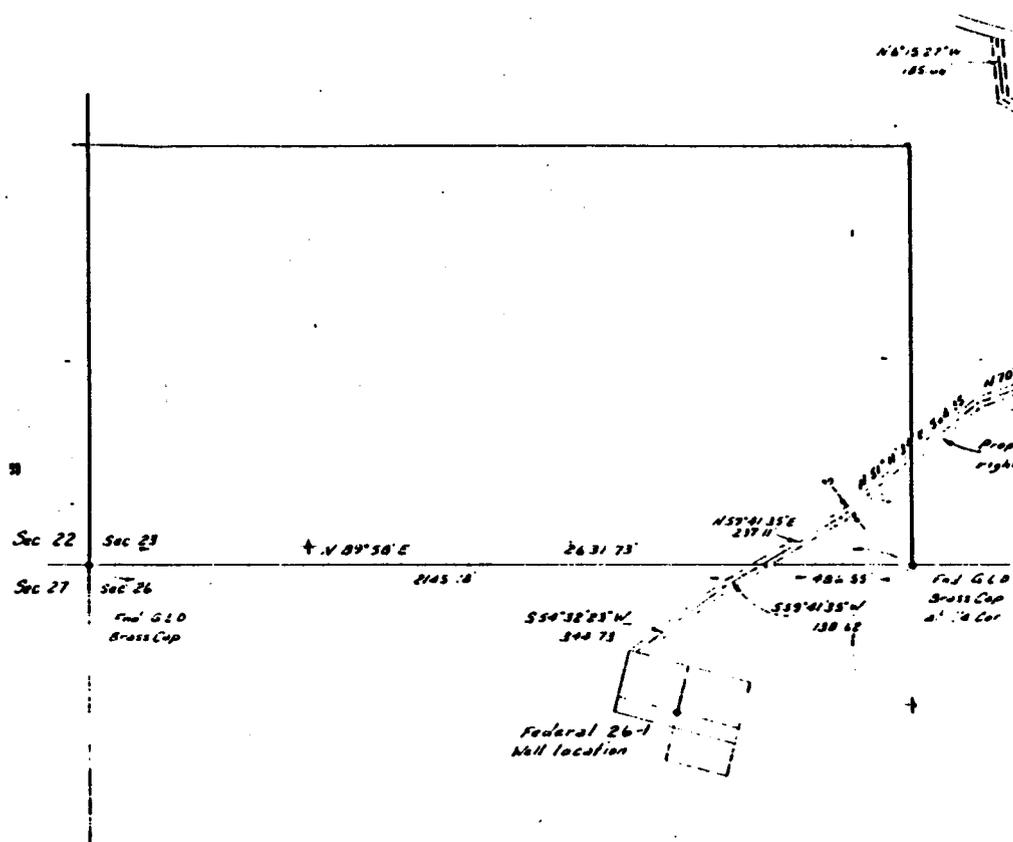
  
JoAnn H. Nelson

EXHIBIT "A"



RIGHT-OF-WAY SURVEY PLAT FOR  
GREENWOOD HOLDINGS, INC.

FEDERAL 26-1

SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 17 EAST  
SALT LAKE BASE AND MERIDIAN

DESCRIPTION OF RIGHT-OF-WAY IN SECTION 23

A 30 feet wide right-of-way over part of Section 23, Township 8 South, Range 17 East of the Salt Lake Base and Meridian, the centerline of said right-of-way beginning at a point on the South line of said Section, said point being North 89°58' East 2145.18 feet from the Southwest Corner of said Section;  
Thence North 59°41'35" East 297.11 feet;  
Thence North 51°11'34" East 564.35 feet;  
Thence North 70°35'57" East 365.49 feet;  
Thence North 50°54'18" East 399.56 feet;  
Thence North 14°59'45" West 352.30 feet;  
Thence North 61°11'17" West 580.10 feet;  
Thence North 6°15'27" West 185.66 feet to an existing road, said right-of-way being 2744.57 feet in length and containing 1.89 acres.

DESCRIPTION OF RIGHT-OF-WAY IN SECTION 26

A 30 feet wide right-of-way over part of Section 26, Township 8 South, Range 17 East of the Salt Lake Base and Meridian, the centerline of said right-of-way beginning at a point on the North line of said Section, said point being North 89°58' East 2145.18 feet from the Northwest Corner of said Section;  
Thence South 59°41'35" West 138.62 feet;  
Thence South 54°32'23" West 344.73 feet to the Federal 26-1 well location, said right-of-way being 483.35 feet in length and containing 0.33 acres.

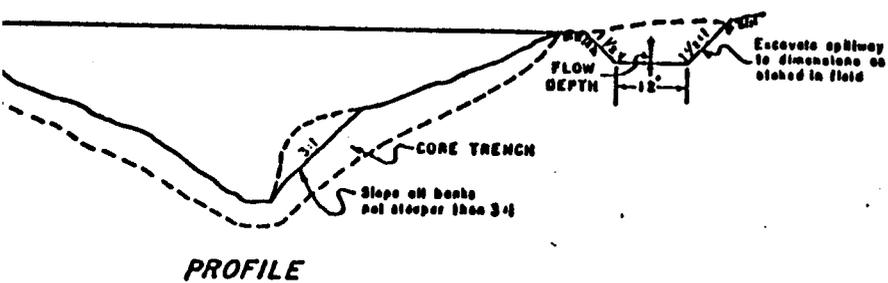
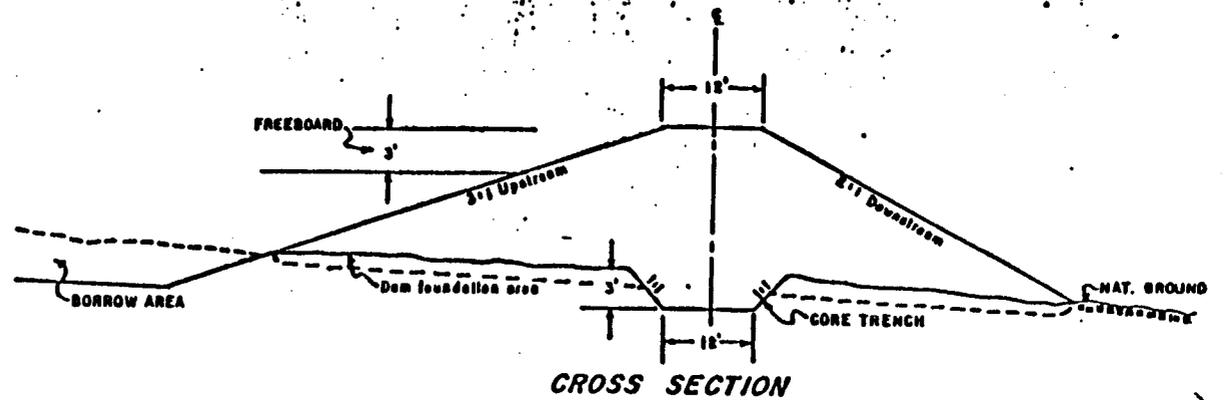
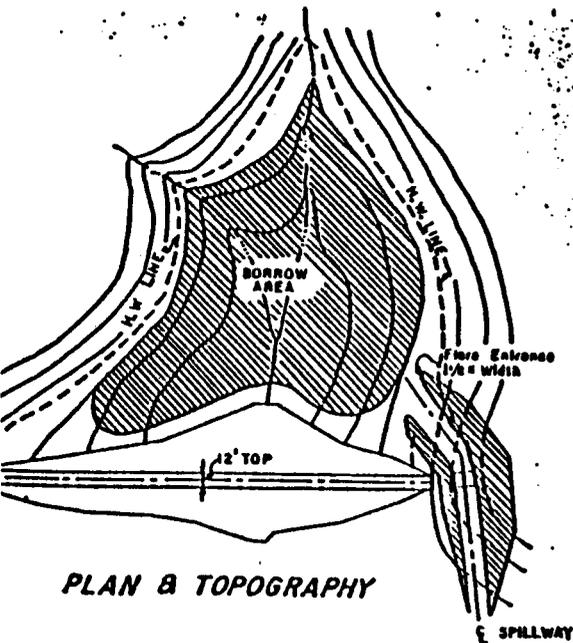
SURVEYOR'S CERTIFICATE

This is to certify that I have surveyed the right-of-ways shown on this plat, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

*Jerry D. Allred*  
Jerry D. Allred, Registered Land  
Surveyor, Cert. No. 3817 (Utah)



JERRY D. ALLRED & ASSOCIATES  
Surveying & Engineering Consultants  
121 North Center Street  
P.O. Drawer C  
MCKESHEE (UTAH 84031)  
(801) 746-5252



**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM-PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILL WAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP. OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.

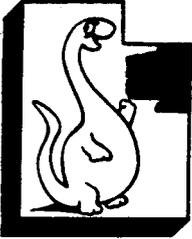
U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** BFD 520-170

**EXHIBIT "F"  
Silt Catchment Dam Specifications**

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

- I. Site Location and Design
  - A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
  - B. Dam layout and location shall be with surveying instruments by qualified personnel.
- II. Borrow Areas
  - A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
  - B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
  - C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
  - D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
  - E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.
- III. Core Trench and Dam Foundation
  - A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
  - B. Sides of the core trench shall not be steeper than 1:1 slopes.
  - C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.
- IV. Dam and Core Fill
  - A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
  - B. Lifts of fill shall not exceed 6" when compacted.
  - C. Fill shall be built up at a constant rate the full length of the dam.
  - D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
  - E. Fill shall be smoothed, maintaining specified slopes.
- V. Spillway
  - A. Spillway shall be constructed through natural material.
  - B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
  - C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.



# UINTAH BASIN DISTRICT HEALTH DEPARTMENT

Reply To:

Uintah County Courthouse, Vernal, UT 84078 - (801) 781-0770   
 Duchesne County Courthouse, Box 210, Duchesne, UT 84021 - (801) 738-5370   
 Daggett County Courthouse, Box 156, Manila, UT 84046 - (801) 784-3494   
 Roosevelt Branch Office, 34 South 200 East, Roosevelt, UT 84066 - (801) 722-5085

Joseph B. Shaffer, M.A.  
District Director  
Health Officer

Sharon Hacking, R.N.  
Nursing Director

Lowell Card, R.S.  
Environmental Health  
Director

Katherine Gardner, C.P.S.  
Office Manager

**Board of Health Members**

LaRae Sadler  
Lee Nelson  
Jim Reidhead  
Kay Campbell  
Richard Jolley, D.D.S.  
Wm. T. Durant, M.D.  
Gary Wold, M.D.  
David Labrum

UINTAH BASIN DISTRICT  
HEALTH DEPARTMENT

Wastewater Permit Application  
for Drilling Sites

: FOR DEPARTMENT USE ONLY  
 : Permit #: \_\_\_\_\_  
 : Fee (\$55.00) received \_\_\_\_\_  
 : Approved: \_\_\_\_\_  
 : Date: \_\_\_\_\_

DRILLING COMPANY Greenwood Holdings RESPONSIBLE PARTY J. P. Ryder  
 ADDRESS 5600 S. Quebec St., Suite 150 PHONE NUMBER (303) 773-6703  
 DRILLING FOR Greenriver Oil Englewood, Co. 80111  
 SITE LOCATION SE NW Sec 25, T8S, R17E

APPROXIMATE DATES 5-1-91 TO 5-15-91

SERVICES: POTABLE WATER  YES  NO, SUPPLIER \_\_\_\_\_  
 CHEMICAL TOILETS  YES  NO, SUPPLIER Rocket Sanitation  
 LIVING OR OFFICE UNITS: BUNKHOUSES \_\_\_\_\_  
 MOBILE HOMES \_\_\_\_\_  
 REC. VEHICLES \_\_\_\_\_

**TOTAL UNITS**

TOTAL PERSONNEL AT SITE 4 man drilling crew & 3 Consultants

**WASTEWATER DISPOSAL PROPOSED:**

HOLDING TANK AND SCAVENGER PUMPING SERVICE if this system is used, indicate the licensed scavenger employed Rocket Sanitation

SEPTIC TANK AND ABSORPTION SYSTEM - if this system is proposed, please supply the following information:

1. A soil log prepared by a certified engineer or sanitarian
2. Indicate the type of absorption system intended
  - Absorption field
  - Seepage trench
  - Seepage pit
  - Absorption bed

OTHER Describe proposal in detail on an attached sheet.

In the space below provide a sketch or drawing of the site indicating:

1. Location of water supply and plumbing
2. Location of living units, offices etc.
3. Proposed wastewater system layout including septic tank or holding tank and absorption system if any.

GREENWOOD HOLDINGS, INC.  
 WELL LAYOUT PLAT  
 FEDERAL 22-25

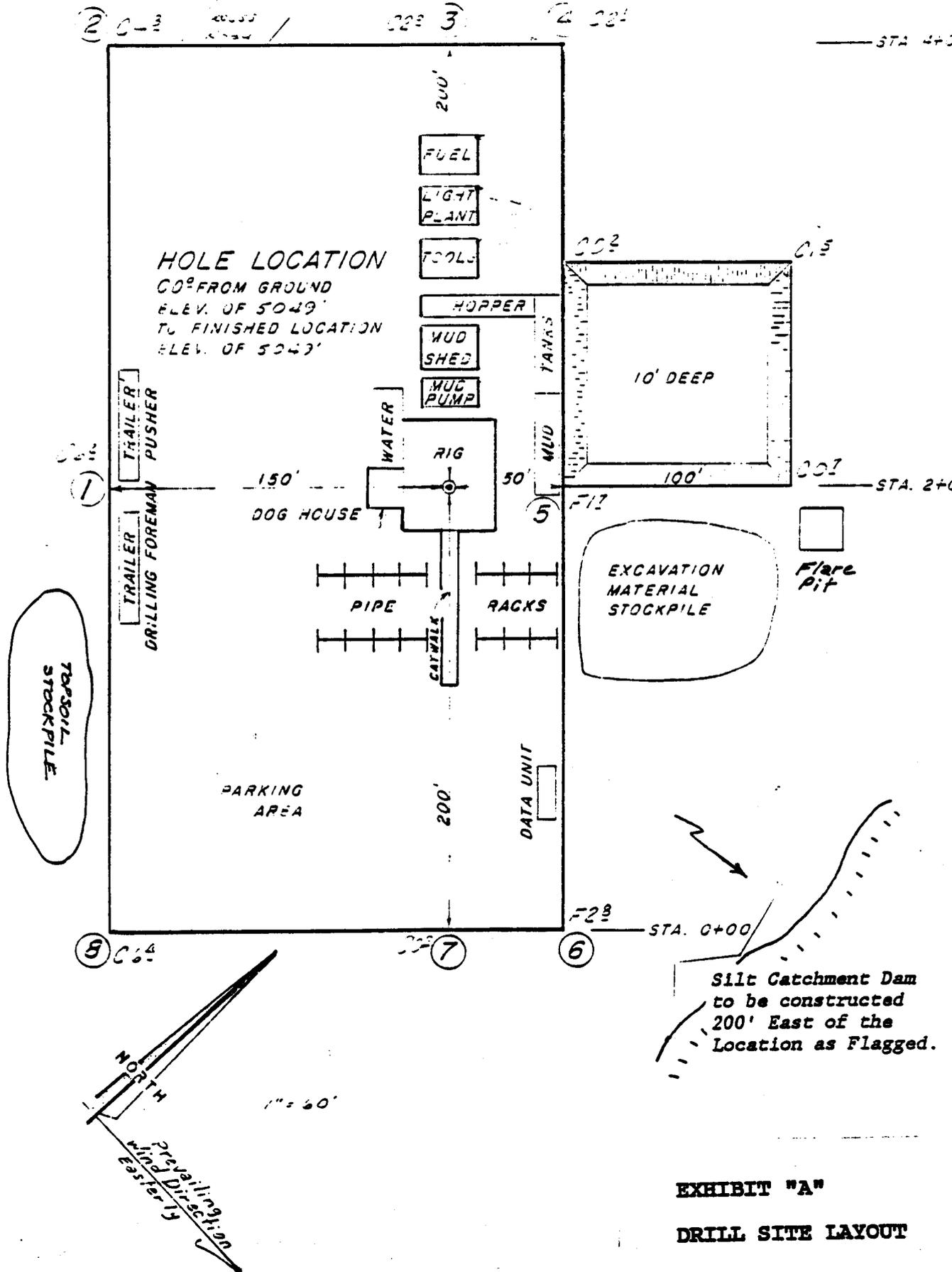


EXHIBIT "A"  
 DRILL SITE LAYOUT



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078  
(801)789-1362



IN REPLY REFER TO:  
2800  
U-65150  
(U-082)

APR 29 1991

## DECISION

Greenwood Holdings Inc. : Right-of-Way  
5600 Quebec Street, Suite 150-C : U-65150  
Englewood, Colorado 80111 :

### Right-of-Way Amended

On April 15, 1991, Greenwood Holdings Inc. filed an application to amend their existing right-of-way U-65150 to include an access road to well #22-25.

Pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (43 U.S.C. 1761), right-of-way U-65150 is hereby amended. Lawful purposes granted by the amendment are to construct, operate, maintain and terminate an access road on the following described Federal lands:

### Salt Lake Meridian

T. 8 S., R. 17 E.,  
Sec. 23, SESE;  
Sec. 24, SWSW.

The amended portion is an area 30 feet wide by 2,323 feet long and contains 1.6 acres, more or less.

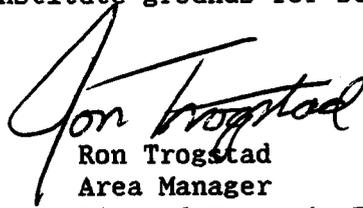
The term of the amendment is the same as the original grant and will expire on April 1, 2021. Rental for the amended portion has been waived in accordance with 43 CFR 2803.1-2(b)(2)(iii).

This amendment is subject to all provisions of the original grant, the applicable regulations in 43 CFR parts 2800 and 2880, and the following stipulation:

1. No surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to the special stipulations in the Surface Use Plan of the APD, relevant to any right-of-way facilities.

The map set forth in Exhibit "A", dated April 29, 1991, is incorporated into and made a part of this amendment.

Failure of the holder to comply with applicable law or any provision of this right-of-way amendment shall constitute grounds for suspension or termination thereof.

A handwritten signature in cursive script, appearing to read "Ron Trogstad".

Ron Trogstad  
Area Manager  
Diamond Mountain Resource Area

Enclosure:  
Exhibit "A"



**A CULTURAL RESOURCES SURVEY OF  
FOUR PROPOSED GREENWOOD WELLS NEAR PARIETTE DRAW,  
UINTAH AND DUCHESNE COUNTIES, UTAH**

by

**Michael R. Polk  
Principal Investigator**

**Prepared for:**

**Greenwood Holdings  
Englewood, Colorado**

**Prepared by:**

**Sagebrush Archaeological Consultants  
4263 Monroe Boulevard  
Ogden, Utah 84403**

**Under Authority of Cultural Resources Use Permit No. 90-UT-54630**

**and**

**Utah State Antiquities Permit No. U-91-SJ-099b**

**Archaeological Report No. 458**

**April 17, 1991**

## INTRODUCTION

In April, 1991, Greenwood Holdings, Inc. of Englewood, Colorado requested that Sagebrush Archaeological Consultants (Sagebrush) conduct a Cultural Resources Survey of four proposed well locations and access roads in the Pleasant Valley area south of Myton, Utah. Following are the legal locations of each of the wells and the approximate linear distances of the proposed access roads:

Federal 12-26 (Duchesne County): T.8S., R.17E., S.26 SWNW (1782 FNL 623 FWL). Access road: 750 feet (within same section).

Federal 22-26 (Uintah County): T.8S., R.17E., S.26 SENW (1639 FNL 2038 FWL). Access road: 2950 feet (within same section).

Federal 22-25 (Uintah County): T.8S., R.17E., S.25 SENW (1667 FNL 1773 FWL). Access road: 5750 feet (in Sections 23, 24 and 25).

Federal 23-22 (Duchesne County): T.8S., R.17E., S.22 NESW (1980 FWL 1780 FSL). Access road: none.

The project areas lie on land controlled by the Bureau of Land Management (BLM) on the Pariette Draw SW 7.5' USGS Quadrangle (1964)(Figure 1). The survey was undertaken by the author on April 16, 1991 under authority of Cultural Resources Use Permit No. 90-UT-54630 and Utah State Antiquities Permit No. U-91-SJ-099b.

Prior to conducting the survey a file search was conducted through Evie Seelinger of the Antiquities Section, Division of State History in Salt Lake City and by the author at the BLM in Vernal, in order to establish whether previous surveys had been conducted in the area and if known sites exist. The Antiquities Section search was conducted on April 9, 1991, the BLM file search was carried out April 16.

The searches indicate that five different projects have been conducted in the survey area. In 1982 Brigham Young University (BYU) conducted a survey of a seismic line for Consolidated Georex Geophysics which extended through the eastern portions of sections 26 and 23 (Billat, Duffin and Nielson 1982). No sites were found. In 1984 Grand River Consultants, Inc. conducted three surveys for wells and access roads in sections 23 and 24 for Lomax Exploration (Hartley 1984a,b,c). One of these was for a short access road and well pad location in the southeast quarter of section 23 and the southwest quarter of section 24. Another survey continued this access road through the northwest quarter of section 24. The third project was for an access road beginning in the eastern portion of section 23 and extending to the east. No cultural resources were found during these inventories. Finally, in 1990, the BLM conducted a survey of a proposed pipeline and pond in S. 22 and the extreme southwest corner of S. 23 (Phillips 1990). Three isolated stone tools were found during this survey in S. 22.

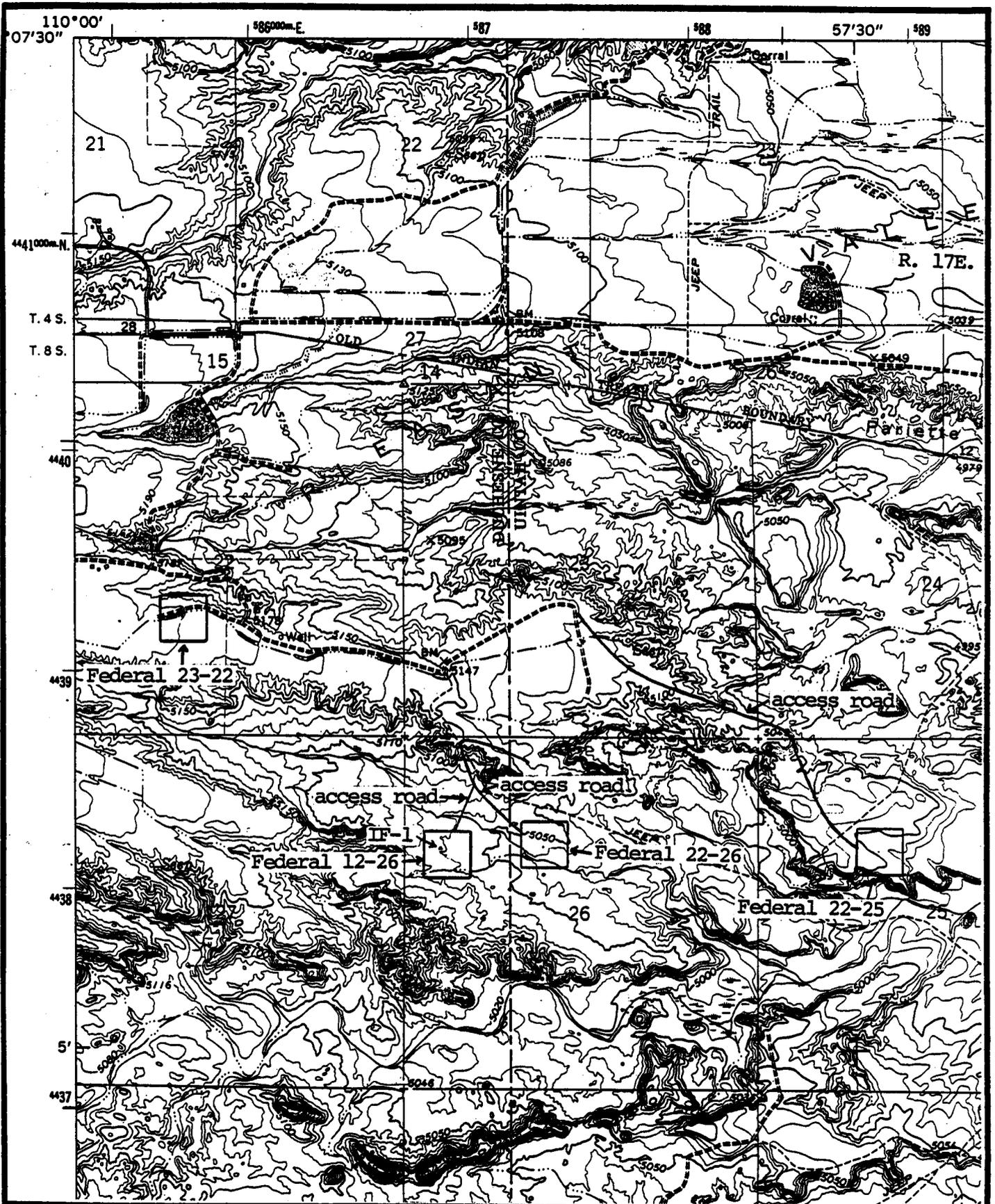


Figure 1. Location of the areas surveyed for Greenwood Holdings' four proposed wells near Pariette Draw in Uintah and Duchesne Counties. Taken from: USGS Pariette Draw SW 7.5' Quadrangle (1964). BLM Land.

## ENVIRONMENT

The survey areas lie along the southern margin of Pariette Draw on a high, broad, eroded tableland. The tableland includes both terrace remnants and a lower, more eroded level plain which drops off sharply to the south along an erosional escarpment. The upper area (where well 12-26 occurs) still retains a soil cover. Grasses, as well as sagebrush, occur in this area and erosion is not severe. The lower areas south and east of here are severely eroded. They include areas of exposed clay beds, desert pavements and silty plains with small concentrations of tabular gravels. The access road to well 2-25 crosses through some claystone bedrock as well. The elevation of the area ranges from 5000 feet up to 5150 feet a.s.l.

Vegetation density is low to moderate with an average of 15 to 20 percent cover. Vegetation is generally in the shadscale community, though some sagebrush community species occur as well. The area is dominated by shadscale, greasewood, rabbitbrush and saltbrush mixed with some big sagebrush, bunchgrass, prickly pear cactus, desert trumpet and sagewort. Russian olive and willow occur along an active stream in section 26.

Soils in the area vary. They include silty clays with some pebble concentrations, silty sand, clay bed exposures and areas of pebbles forming desert pavement over a thin silt soil. The area around proposed well 23-22 is planted in alfalfa. The nearest permanent water sources to the survey areas are a small permanent stream which is crossed by the access road to well 12-26 and a small permanent stream located just north of proposed well 23-22.

Natural disturbance in the area is primarily the result of extensive water erosion. Both sheet-wash and arroyo cutting have extensively altered the terrain and have entirely eliminated soil cover in some areas. Cultural disturbance is extensive around proposed well 23-22 where there is an existing alfalfa field and very heavily trampled cattle enclosure. Also, fence lines, well pad construction, a dam and two-track roads add to the list of cultural disturbances. Most of the area surveyed, however, does not bear evidence of impact by cultural activities.

## **METHODOLOGY**

Four 10 acre well pad locations were surveyed (using the centerstake of the proposed pads as the center point) along with three proposed access roads measuring a total of about 9450 feet (1.79 miles). The proposed well locations were surveyed using maximum 15 meter parallel transects. The access roads were surveyed following staked lines in two parallel transects spaced 10-15 meters apart to cover widths of 100 feet. Ground visibility in the area was excellent. The total acreage surveyed (including access road acreage) was 61.69 acres.

The single isolated artifact found during the inventory was measured, described and photographed in the field. It was then left on the ground where it was originally found.

## **RESULTS**

One isolated tool was located during inventory of well location 12-26. IF-1 consists of a ovoid shaped biface of heavily patinated chert. It was found in a slightly sloped plain area of loose silt with a scatter of quartzite and siltstone tabular cobbles and pebbles. Flakes have been removed around the entire perimeter of the artifact, but no evidence of use was noted. The artifact measures 7.2 cm long by 3.2 cm wide (at widest) by 0.7 cm thick. No other artifacts or other evidence of cultural activity was noted in the area. Also, no cultural resources were found during survey of the other well pads and access roads.

The proximity of several of the survey areas to permanent water sources suggests that evidence of cultural activity should be present in the area. It would certainly be more likely than in areas devoid of water sources. However, the highly eroded nature of the soils, the absence of substantial amounts of other usable resources (such as chert cobble fields and the presence of significant numbers of edible plants) no doubt contributed to the absence of sites.

## **RECOMMENDATIONS**

Since only a single isolated tool was encountered during this inventory, it is recommended that the well and access road construction projects be allowed to proceed as planned.

This investigation was conducted with techniques which are considered adequate for evaluating cultural resources which could be adversely affected by the project. However, should cultural resources be discovered during construction, a report should be made immediately to the District Archaeologist, Bureau of Land Management District Office, Vernal, Utah.

## REFERENCES CITED

**Billat, Scott, Thorvald E. Duffin, and Asa S. Nielson**

**1982 An Archaeological Survey of Seismic Lines and Powder Magazine Locations in North eastern Utah. Cultural Resources Management Services, Department of Anthropology, Brigham Young University, Provo.**

**Hartley, John D.**

**1984a Archaeological Survey for Lomax Exploration Company's Access to W. Pariette 9-23 Uintah County, Utah. Grand River Consultants, GRC Report 84164.**

**1984b Archaeological Survey For Lomax Exploration Company's Pariette Draw Federal 9-23 and Associated Access Road, Uintah County, Utah. Grand River Consultants, Report 84095.**

**1984c Archaeological Survey For Lomax Exploration Company's West Pariette Federal 6-19 and Associated Access Road, Uintah County, Utah. Grand River Consultants, Report 84096.**

**Phillips, H. Blaine II**

**1990 Nelson Pond and Pipeline Archaeological Inventory. Bureau of Land Management, Vernal District Report.**

801-781-0770  
Dist

APPLICATION TO APPROPRIATE WATER  
STATE OF UTAH

47-1675

NOTE:--The information in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by  in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses

2. The name of the applicant is Joe Shields

3. The Post Office address of the applicant is Myton, Utah 84052

4. The quantity of water to be appropriated .015 second-feet and/or \_\_\_\_\_ acre-feet

5. The water is to be used for Stockwatering & Other from Jan. 1 to Dec. 31  
(Major Purpose) (Month) (Day) (Month) (Day)

other use period Irrigation from Apr. 1 to Oct. 31  
(Minor Purpose) (Month) (Day) (Month) (Day)

and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
(Month) (Day) (Month) (Day)

6. The drainage area to which the direct source of supply belongs is \_\_\_\_\_  
(Leave Blank)

7. The direct source of supply is\* Drain  
(Name of stream or other source)

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

\*Note.--Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a dam, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

8. The point of diversion from the source is in Duchesne County, situated at a point\*  
West 400 ft. South 200 ft. from E $\frac{1}{2}$  Cor. Sec. 15, T4S, R2W, USB&M  
(3 $\frac{1}{2}$  Miles SW of Myton)

MYTON ROAD

\*Note.--The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

9. The diverting and carrying works will consist of a collection Ditch to place of use

10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 15, T4S, R2W, USB&M

Total .25 Acres

12. Is the land owned by the applicant? Yes  No \_\_\_\_\_ If "No," explain on page 2.

13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No   
If "yes," identify other water rights on page 2.

14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at  
the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

16. If application is for stockwatering purposes, number and kind of stock watered 320 Cattle  
in NE $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 15, T4S, R2W, USB&M

17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

18. If application is for municipal purposes, name of municipality \_\_\_\_\_

19. If application is for other uses, include general description of proposed uses all the above

20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. used in Myton Oil field in Pleasant Valley

21. The use of water as set forth in this application will consume .015 second-feet and/or acre-foot of water and None second feet and/or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Lined area for providing additional facts.

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described.

Joe [Signature]
Signature of Applicant\*

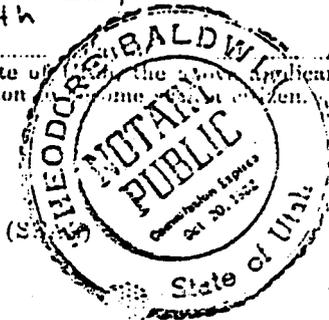
\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

STATE OF UTAH, Uintah } ss
County of.....

On the 10th day of May, 1982, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become a citizen.

My commission expires:



Theodore Baldwin
Notary Public

FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH

MAY 1982  
WATER

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.

Storage — acre-feet		
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

1:45 p.m

STATE ENGINEER'S ENDORSEMENTS

1. May 10, 1982 Application received by mail ~~over counter~~ in State Engineer's office by 7/1/83
2. Priority of Application brought down to, on account of .....
3. 5/14/82 Application fee, \$ 15.00, received by A. H. Rec. No. 13745
4. 5-26-82 Application microfilmed by A. N. Roll No. 987-2
5. 5/18/82 Indexed by A. H. Platted by .....
6. May 10, 1982 Application examined by 7/1/83
7. Application returned, ..... or corrected by office .....
8. Corrected Application resubmitted by mail ~~over counter~~ to State Engineer's office.
9. May 10, 1982 Application approved for advertisement by 7/1/83
10. JUL 15 1982 Notice to water users prepared by W. W. S. G.
11. JUL 22 1982 Publication began; was completed AUG 5 1982  
Notice published in Utah Ruralist
12. Proof slips checked by .....
13. Application protested by .....
14. 8/20/82 Publisher paid by M.E.V. No. 031023
15. Hearing held by .....
16. Field examination by .....
17. 9-10-82 Application designated for approval ~~rejection~~ WW S.G.
18. 9/24/82 Application copied or photostated by s.l.f. proofread by .....
19. 9/24/82 Application approved ~~rejected~~
20. Conditions:

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by 6/30/86
- c. ....

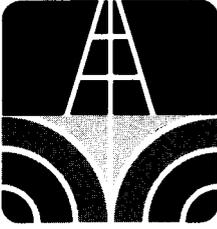
Earl M. Staker

For Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to .....
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. ...., issued

Application No. 57707





Greenwood  
Holdings Inc.

5600 South Quebec Street  
Suite 150-C  
Englewood, Colorado 80111  
(303) 773-6703  
Facsimile: (303) 694-1154

April 11, 1991

Oil and Gas Supervisor  
State of Utah  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Subject; APD Federal 22-25  
SENW Sec. 25 T8S R17E  
Uintah County, Utah

Dear Oil and Gas Supervisor,

Enclosed for your files are two (2) copies of Greenwood Holdings Inc.'s Application for Permit to Drill the Federal 22-25 at the above captioned location. Three (3) original copies have been submitted to the Bureau of Land Management in Vernal, Utah, for approval. This application includes the following Exhibits:

- ◆ Application for Permit to Drill; Form 3160-3,
- ◆ Ten Point Drilling Program,
- ◆ Multi-Point Surface Use and Operations Plan,
- ◆ Survey Plat, Rig Layout, Cut and Fill Diagram,
- ◆ Well Location Plat ( Figure 1 ),
- ◆ Access Map ( Maps "C" & "D" ).

Please notice that Greenwood has requested an exception to rule R615-3-2 due to surface problems. If you should require further information or if I may be of any assistance in the processing of this request, please do not hesitate to call.

The approved APD, conditions of approval, archaeological survey and other pertinent documents will be submitted under separate cover.

Sincerely,

Steve M. Fillingham  
Greenwood Holdings Inc.

**RECEIVED**

APR 12 1991

DIVISION OF  
OIL GAS & MINING

**CONFIDENTIAL**

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

Form approved.  
Budget Bureau No. 1004-0136  
Expires December 31, 1988

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
GREENWOOD HOLDINGS INC.

3. ADDRESS OF OPERATOR  
5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface: 1667' FNL, 1773' FWL, SE 1/4 NW 1/4 SEC. 25, T8S-R17E  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
SEVEN (8) MILES SOUTHEAST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
1667'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
4350'±

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5,049' GL

23. PROPOSED CASING AND CEMENTING PROGRAM

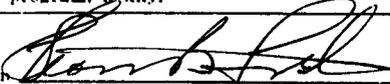
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8" J55	24#	300'	200 SX CIRC. TO SURFACE*
7 7/8"	5 1/2" K55	15.5#	0-6,900'	725 SX AS REQUIRED*

\* CEMENT VOLUMES MAY CHANGE DUE TO HOLE SIZE. CALCULATE FROM CALIPER LOG.

GREENWOOD REQUESTS EXCEPTION TO RULE R615-3-2 (pursuant to R615-3-3) DUE TO PROHIBITIVE TOPOGRAPHY. A LARGE BUTTE EXISTS IN THE N 1/2 OF THIS SECTION. DRILLING NEAR THE EDGE OF THIS FEATURE MAY CAUSE EROSION AND HAZARDOUS OPERATING CONDITIONS. Placement of the location as staked will allow construction of the site a safe distance from the escarpment. GREENWOOD OWNS OR CONTROLS ALL PROPERTY WITHIN 660' OF THIS LOCATION.

I hereby certify that Greenwood Holdings Inc. is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the Federal Lease #UTU-67845. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Continental Casualty Co. Nationwide Bond #2666648, BLM Bond #WY2246. Greenwood Holdings Inc. will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

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.

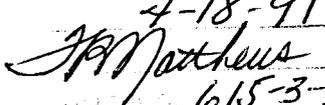
SIGNED:  Thomas B. Foster  
TITLE: Vice President  
DATE: April 11, 1991

(This space for Federal or State office use)

PERMIT NO. 43-047-30008 APPROVAL DATE

APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: 4-18-91

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS & MINING  
DATE: 4-18-91  
  
615-3-3

\*See Instructions On Reverse Side

DRILLING PROGRAM

Company: Greenwood Holdings Inc. Well No. Federal 22-25  
Location SE NW Section 25, T. 8S R. 17E Lease No. UTU-67845  
Uintah County, Utah.

Onsite Inspection Date April 4, 1991

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

1. Surface Formation and Estimated Formation Tops:

<u>Formation</u>	<u>Depth</u>	<u>Datum (GR)</u>
Uinta	Surface	5045'
Green River	1750'	+3305'
Garden Gulch	4255'	+ 800'
Douglas Creek Marker	5040'	+ 15'
Wasatch	6420'	-1365'
TD	6900'	-1845'

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	Green River, Wasatch	5090' -6400', 6470' -6900'
Expected gas zones:	None	
Expected water zones:	None	
Expected mineral zones:	Oil Shale	Top @ 2500'

All fresh water and prospectively valuable minerals (as described by BLM at onsite) 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)

A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from the surface casing as described below:

A. Type: 11" Double Gate Hydraulic.

The Blow-Out Preventer will be equipped as follows:

1. One (1) blind ram (above).
2. One (1) pipe ram (below).
3. Kill line (2-inch minimum).

Greenwood Holdings Inc.

Drilling Prognosis

Page 2

3. Pressure Control Equipment: (Continued)

4. One (1) kill line valve (2-inch minimum).
5. One (1) choke line valve.
6. Two (2) adjustable chokes.
7. Upper kelly cock valve with handle available.
8. Safety valve & subs to fit all drill strings in use.
9. 2-inch (minimum) choke line.
10. Pressure gauge on choke manifold.

B. Pressure Rating: 3,000 psi

C. Testing Procedure:

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day.

All BOP drills and tests will be recorded in the IADC driller's log.

D. Choke Manifold Equipment:

All choke lines will be straight lines unless turns use tee blocks or are targeted with running tees, and will be anchored to prevent whip and vibration.

E. Accumulator:

The accumulator will have sufficient capacity to close all BOP's and retain 200 psi above precharge. Nitrogen bottles which meet the manufacturer's specifications will be used as the backup to the required independent power source. The accumulator precharge pressure test will be conducted prior to connecting the closing unit to the BOP stack and at least once every six (6) months thereafter. The accumulator pressure will be corrected if the measured precharge

Greenwood Holdings Inc.

Drilling Prognosis

Page 3

E. Accumulator: (Continued)

pressure is found to be above or below the maximum or minimum limits specified in Onshore Operating Order #2.

F. Miscellaneous Information:

The Blow-Out Preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of Onshore Operating Order #2.

The choke manifold and BOP extension rods with hand wheels will be located outside the rig sub-structure. The hydraulic BOP closing unit will be located at least twenty-five (25) feet from the well head but readily accessible to the driller.

Exact locations and configurations of the hydraulic BOP closing unit will depend upon the particular rig contracted to drill this hole.

A flare line will be installed after the choke manifold, extending 100 feet (minimum) from the center of the drill hole to a separate flare pit.

4. The Proposed Casing and Cementing Program:

A. Casing Program:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/Ft</u>	<u>Grade</u>	<u>Threads</u>	<u>New/Used</u>	<u>Depth</u>
12-1/4"	8-5/8"	24#	J-55	STC	New	300'
7-7/8"	5-1/2"	15.5#	K-55	LTC	New/Used	TD

Casing string(s) will be pressure tested to 0.22 psi per foot, or 1500 psi (not to exceed 70% of the internal yield strength of the casing), whichever is greater, after cementing and prior to drilling out from under the casing shoe.

B. Cementing Program:

Surface Casing : Cement with approximately 200 sx Class "G" cement + additives, circulated to surface with 100% excess.

Production Casing : Lead with approximately 325 sx "Lite" cement with Cello-seal plus additives; tail with approximately 400 sx class "G" cement + additives. Volume will be calculated to extend 200' above the top of the Green River oil shale beds as identified on logs.

Greenwood Holdings Inc.

Drilling Prognosis

Page 4

B. Cementing Program: (Continued)

Actual cement volumes to be required will be determined from the caliper log.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. Mud Program: (Visual Monitoring)

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-300'	Water	-----	-----	-----
300-6900'	KCL Water	8.4	28	NC

Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.

No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Evaluation Program:

<u>Logs</u>	:	DLL-GR-SP	6900' -Surface
		FDC-CNL	6900'-4200'
		Caliper log	6900'-1800'
<u>DST's</u>	:	None anticipated	
<u>Cores</u>	:	None anticipated.	

The proposed evaluation program may change at the discretion of the wellsite geologist, with prior approval from the Authorized Officer, Bureau of Land Management.

Stimulation:

No stimulation or frac treatment has been formulated for this test at this time. The drill site, as approved, will be of sufficient size to accommodate all completion activities.

Whether the well is completed as a dry hole or as a producer, Well Completion and Recompletion Report and Log (Form 3160-4) will be submitted to the Book Cliffs Resource Area Office not later than thirty (30) days after the completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164.

Greenwood Holdings Inc.

Drilling Prognosis

Page 5

Stimulation: (Continued)

Two (2) copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer, Book Cliffs Resources Area Office, Bureau of Land Management, 170 South 500 East, Vernal, Utah 84078, Phone: (801) 789-1362.

7. Abnormal Conditions:

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2,988 psi (calculated at 0.433 psi/foot).

8. Anticipated Starting Dates and Notification of Operations:

A. Drilling Activity

Anticipated Commencement Date : May 1, 1991  
Drilling Days : Approximately 10 Days  
Completion Days : Approximately 7 Days

B. Notification of Operations

The Book cliffs Resource Area Office, Bureau of Land Management will be notified at least twenty-four (24) hours PRIOR to the commencement of the following activities:

1. Spudding of the well. This oral report will be followed up with a Sundry Notice (Form 3160-5);
2. Initiating pressure tests of the blow-out preventer and related equipment;
3. Running casing and cementing of ALL casing strings.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval of the Authorized Officer. If operations are to be suspended, prior approval of the Authorized Officer will be obtained and notification given before resumption of operations.

In accordance with Onshore Operating Order #1, this well will be reported on MMS Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with

Greenwood Holdings Inc.

Drilling Prognosis

Page 6

B. Notification of Operations (Continued)

the Royalty Management Program, Minerals Management Service, P. O. Box 17110, Denver, Colorado 80217.

Immediate Report: spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the provisions of NTL-3A or its current revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the Authorized Officer, and all conditions of this approved plan will be applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the Authorized Officer will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication no later than five (5) business days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the Authorized Officer, produced water may be temporarily disposed of into the reserve pit for a period of up to ninety (90) days. During this period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the Authorized Officer.

Pursuant to NTL-4A, lessees and operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of thirty (30) days or the production of fifty (50) MMCF of gas, whichever occurs first. An application must be filed with the Authorized Officer, and approval received, for any venting/flaring of gas beyond the initial thirty (30) days or otherwise authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the Vernal District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the Authorized Officer. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the Authorized Officer.

Greenwood Holdings Inc.

Drilling Prognosis

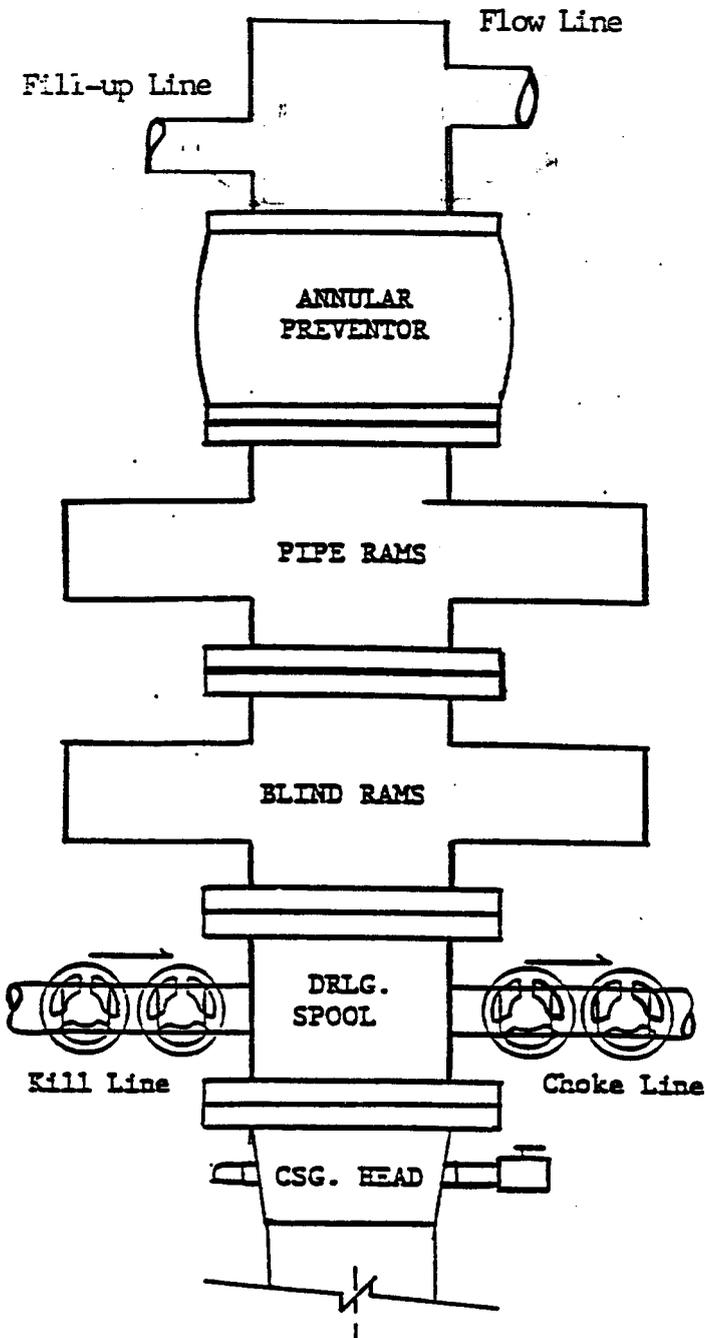
Page 7

B. Notification of Operations (Continued)

A "Notice of Intention to Abandon" (Form 3160-5) will be filed with the Authorized Officer within fifteen (15) days following the granting of oral approval to plug and abandon.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3161.6. The following information will be permanently placed on the marker with a plate, cap, or beaded-on with a welding torch: "Fed" or "Ind", as applicable; Company Name, Corporation Well Name and Number, Location by Quarter/Quarter, Section, Township, Range, and Federal or Indian Lease Number.

A "Subsequent Report of Abandonment" (Form 3160-5) will be submitted within thirty (30) days following the actual plugging of the well bore. This report will indicate where plugs were placed and the current status of surface restoration operations. If surface restoration has not been completed at that time, a follow-up report on Form 3160-5 will be filed when all surface restoration work has been completed and the location is considered ready for final inspection. Final abandonment will not be approved until the surface reclamation work required by the approved Application for Permit to Drill has been completed to the satisfaction of the Authorized Officer or his representative, or the appropriate Surface Management Agency.



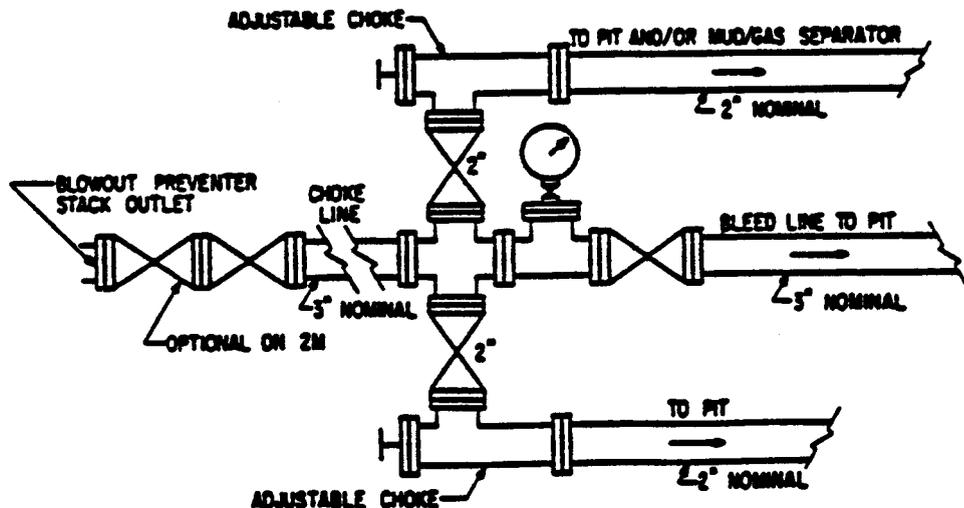
1. BOP equipment will consist of a double gate, hydraulically operated preventor with pipe & blind rams or two single ram type preventors, one equipped w/ pipe rams, the other w/blind rams. BOP system will be consistent w/API RP 53.
2. BOP's will be well braced w/hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. All BOP equipment will be tested to 2500# for 15 minutes. The BOP's will be tested at the time of installation and every 30 days thereafter. BOP's will be mechanically checked daily.
5. Modification of hook-up or testing procedure will be approved in writing on tour reports by wellsite representative.

## BOP Schematic 3000\* WP

GREENWOOD HOLDINGS INC

Federal 22-25  
SEW Sec. 25 T8S R17E  
Uintah County, Utah

## Accumulator



Note: Application for right-of-way made  
herewith, see last page.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Company Greenwood Holdings, Inc. Well No. Federal 22- 25  
Location SE NW Section 25, T. 8S R. 17E Lease No. UTU-67845  
Uintah County, Utah

1. Existing Roads: Refer to Maps "C" & "D" (Shown in ORANGE)
  - A. The proposed well site is staked and four 200-foot reference stakes are present.
  - B. To reach the location from the town of Myton, Utah; proceed southwest 1.5 miles on Highway 40 to the "Pleasant Valley" sign. Turn left on State Highway 53 and go south approximately 2 miles to County Road 216.  
  
Follow County Road 216 (3.7 miles) to BLM sign.  
  
Continue on County Road 216 (0.7 miles) past the BLM sign to intersection on east side of road. Turn left (east) towards radio tower, proceed (3.0 miles) to gate.  
  
From gate, continue east along hillside 1.5 miles to fork, keep right, continue 1.0 miles southeast to location.  
  
Lease road will be marked with signs.
  - C. Access roads - refer to Maps "C" & "D".
  - D. Access roads within a one-mile radius - refer to Map "C".
  - E. The existing gravel roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

2. Planned Access Roads: Refer to Map "D" (Shown in Yellow)

Approximately 0.7 miles (3700 feet) of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched.
- B. Construction standard - the access road will be constructed in accordance with Bureau of Land Management Roadway Guidelines established for oil and gas exploration and development activities as referenced in the BLM/USFS publication: Surface Operating Standards for Oil and Gas Exploration and Development, Third Edition.

2. Planned Access Roads: (Continued)

Construction standard - the road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed and safe road.

Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainage be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at a frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - determined by the onsite not to exceed 5%.
- D. Turnouts - turnouts will be constructed along the access route as necessary or required to allow for the safe passage of traffic. None anticipated at this time.
- E. Drainage design - the access road will be crowned, ditched, and water turnouts installed as necessary to provide for proper drainage along the access road route. Borrow ditches with water turnouts will be constructed to provide proper drainage along the access route.
- F. Culverts, cuts and fills - no culverts will be required. The road cut in SESE Section 23 will be at 5% grade. No other major cuts and/or fills are anticipated along the proposed access road route.
- G. Surface materials - any construction materials which may be required for surfacing of the access road will be purchased from a local contractor having a permitted source of materials in the area, if required by the Authorized Officer, Bureau of Land Management. None anticipated at this time.
- H. Gates, cattle guards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in

2. Planned Access Roads: (Continued)

accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road is flagged.

3. Location of Existing Wells Within a One-Mile Radius:

Please refer to Map "C".

- A. Water Wells - none known.
- B. Abandoned Wells - None.
- C. Temporarily Abandoned Wells - none known.
- D. Disposal Wells - none known.
- E. Drilling Wells - none known.
- F. Producing Wells - NESE, Section 23, T8S, R17E.
- G. Shut-in Wells - none known.
- H. Injection Wells - none known.
- I. Monitoring Wells - none known.

4. Location of Existing and/or Proposed Facilities Owned by Greenwood Holdings, Inc. Within a One-Mile Radius:

A. Existing - none.

- 1. Tank Batteries - none.
- 2. Production Facilities - none.
- 3. Oil Gathering Lines - none.
- 4. Gas Gathering Lines - none.

B. New Facilities Contemplated

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the back slope or toe of the fill slope.
- 2. The production facilities (consisting primarily of a christmas tree at the well head, dehydration unit, and emergency pit) will require an area approximately 300' X 135'. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations. The tank batteries will be located between points 4 and 5 on the "Well Layout Plat".
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

B. New Facilities Contemplated (Continued)

The dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (on-site for six months or longer) above-the-ground structures constructed or installed including pumping units will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five (5) State Rocky Mountain Interagency Committee. All production facilities will be painted within six (6) months of installation.

Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.

The standard paint color is Desert Tan, Munsell standard Color number (10YR 6/3).

5. If at any time the facilities located on public lands and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), the Bureau of Land Management will process a change in authorization to the appropriate statute. The authorization will be subject to the appropriate rental or other financial obligation as determined by the Authorized Officer.

- C. The production (emergency) pit will be fenced with woven wire mesh topped with one (1) strand of barbed wire held in place with metal side posts and wooden corner "H" braces in order to protect livestock and wildlife. Please refer to Item #9E (page #'s 8&9) for additional information on the fencing specifications.

- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.

- E. Reclamation of disturbed areas no longer needed for operations will be accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management (Refer to Item #10A2, page 10) for the appropriate seed mixture and rate of application.

5. Location and Type of Water Supply:

- A. Water to be used for drilling and production of this well will be hauled by truck from Pleasant Valley. An alternate source is the live water in the drainage located in SWNE Section 25, for which a permit may be requested. In the event that this source is not used, other

5. Location and Type of Water Supply: (Continued)

arrangements will be made with the proper authorities for an alternate source.

B. Water will be transported over existing roads via tank truck from the point of diversion to the proposed well location. No new construction will be required on/along the proposed water haul route. No off-lease/unit Federal lands will be crossed on/along the proposed water haul route. In the event that an alternate water source is used, all transport needs will follow the regulations defined by the proper surface owners and agencies.

C. No water well will be drilled on this location.

6. Source of Construction Materials:

A. Construction materials needed for surfacing of the well pad will be obtained from a local contractor having a permitted source (private) of materials in the area. Refer to Item #2F (page #2) regarding any construction materials which may be required on the access road.

B. No construction materials will be taken from Federal and/or Indian lands without prior approval from the appropriate Surface Management Agency.

C. If production is established, any additional construction materials needed for surfacing the access road and installation of production facilities will be purchased from a local supplier having a permitted (private) source of materials in the area.

D. No new access roads for construction materials will be required.

7. Methods of Handling Waste Materials:

A. Cuttings - the cuttings will be deposited in the reserve pit.

B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Greenwood Holdings Inc.

The reserve pit will be constructed so as not to leak, break, or allow discharge. A 12 mil (minimum) plastic nylon reinforced pit liner will be used with bedding and overlap used as necessary to prevent leakage.

7. Methods of Handling Waste Materials: (Continued)

- C. Produced Fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped as and the contents disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are back filled.

8. Ancillary Facilities: None anticipated.

9. Wellsite Layout:

- A. Exhibit "A" shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. A minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.
- B. Exhibit "A" is a diagram showing the rig layout. No permanent living facilities are planned. There will be one (1) trailer on location during drilling operations for the toolpusher.

9. Wellsite Layout: (Continued)

- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3169-5) for approval of subsequent operations (Refer to Item #4B, page #4, for additional information in this regard).
- D. A 12 mil (minimum) plastic nylon reinforced pit liner will be installed in order to prevent drilling water loss through seepage.
- E. Prior to the commencement of drilling operations, the reserve pit will be fenced "sheep tight" on three (3) sides according to the following minimum standards:
  - 1. 30-inch net wire shall be used with at least one (1) strand of barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
  - 2. The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least 42 inches.
  - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

10. Plans for Reclamation of the Surface:

A. Production

- 1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
- 2. Upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

A. Production (Continued)

3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before back filling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed. Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.
5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within ninety (90) days from the date of well completion, weather permitting.
6. For production, the fill slopes will be reduced from a 1.5:1 slope to a 3:1 slope and the cut slopes will be reduced from a 1.5:1 slope to a 3:1 slope by pushing the fill material back up into the cut.
7. If necessary a diversion ditch will be constructed above the east side of the location (after reclamation of the reserve pit area) and will be designed to divert runoff water to the south of the producing well location.
8. Upon completion of back filling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces (including the access road and location) will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces (including the access road and well pad areas) will be reseeded. Seed will be broadcast or drilled as recommended. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The appropriate seed mixture and restoration season will be determined by the BLM either as part of the Conditions of Approval of the APD or according to a surface reclamation plan submitted to and approved by the Surface Management Agency prior to restoration.

B. Dry Hole/Abandoned Location

1. At such time as the well is physically plugged and abandoned, Greenwood Holdings, Inc. will submit a "Subsequent Report of Abandonment" to the Authorized Officer for approval. At that time, the Bureau of Land Management will formulate the appropriate surface rehabilitation requirements and attach them as the conditions of approval for final abandonment.

11. Surface Ownership:

The well site and proposed access road are situated on surface estate which is owned by the United States of America and administered by:

Area Manager  
Book Cliffs Resource Area Office  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
Phone: (801) 789-1362

A copy of the Right-of-Way agreement with the owner of certain surface rights along the proposed access is attached as Exhibit "E".

12. Other Information:

- A. The proposed well is located in the southern central portion of the Uinta Basin near the boundary between Duchesne and Uintah Counties seven miles south of Myton, Utah. The area is interlaced with numerous shallow gulches and arroyos ranging from a few feet to as much as 130' in depth and separated by flat crested ridges formed in sandstone, cobblerock, conglomerate, and shale deposits. Along with this badland type topography are broad areas of gravel covered terraces and buttes which support local dry land farming.

The majority of the small drainage are of a non-perennial nature with normal flow limited to the early spring run-off and rare heavy thunderstorms or rain storms. Normal annual precipitation is only eight inches.

The oils of this semi-arid area are of the Uinta Formation and Wasatch Formation, (the Fluvial Sandstone and Mudstone) from the Eocene Epoch. Visible geologic structure consists of light brownish-gray clays to sandy soils with poor gravels and shales and outcrops of rock (sandstone, mudstone, conglomerate, and shale).

Due to the low precipitation, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in and in the lower elevations of the Uinta Basin. It consists of, as primary flora; sagebrush, rabbitbrush, some grasses, and cacti. Willow, Cottonwood and low scrub brush are found long the lower areas close to drainage and streams.

The animals of the area consist predominately of mule deer, coyotes, rabbits, varieties of small ground squirrels and other types of rodents, and various reptiles common to the area. The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

- B. Surface Use Activities: The primary surface use is for grazing, much

12. Other Information: (Continued)

of the access road borders sprinkler irrigated hayfields.

C. Proximity of Water, Occupied Dwellings, Archaeological, Historical or Cultural Sites:

1. The closest source of permanent water is the Duchesne River. The Duchesne River is located approximately 8 miles north of the proposed location.
2. The closest occupied dwellings are located in the town of Myton, approximately 8.0 miles to north-west.
3. Greenwood Holdings Inc. will be responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. If historic or archaeological materials are uncovered, Greenwood Holdings Inc. will suspend all operations that might further disturb such materials and immediately contact the Authorized Officer.

Within five (5) working days the Authorized Officer will inform Greenwood Holdings Inc. as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer are correct and that mitigation is appropriate.

If Greenwood Holdings Inc. wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Officer will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, Greenwood Holdings Inc. will be responsible for mitigation costs.

3. The Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that the required mitigation has been completed, Greenwood Holdings Inc. will then be allowed to resume construction.

12. Other Information: (Continued)

D. Additional Stipulations for Operations on Lands Administered by the Bureau of Land Management:

1. A silt catchment dam and basin will be constructed according to BLM specifications approximately 200 feet east of the location where flagged. A copy of the BLM specifications, "Minimum Standards for Dams Impounding Under 10 Acre Feet" is attached hereto as Exhibit "F".
2. Greenwood Holdings Inc. will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the Bureau of Land Management, or the Uintah County Extension Office. On lands administered by the Bureau of Land Management, it is required that a "Pesticide Use Proposal" shall be submitted, and approval obtained, prior to the application of herbicides or other pesticides or possible hazardous chemicals for the control of noxious weeds.
3. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on federal lands after conclusion of drilling operations or at any other time without the proper authorization from the Bureau of Land Management. However, If BLM authorization is obtained, it is only a temporary measure to allow Greenwood Holdings, Inc. the time to make arrangements for permanent storage at a commercial facility.
4. Greenwood Holdings Inc. shall contact the Bureau of Land Management between 24 and 48 hours prior to commencement of construction activities on the access road and/or well location: (801) 789-1362.
5. The Bureau of Land Management shall be notified upon site completion and prior to moving drilling tools onto the location.

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

Representative

Greenwood Holdings Inc. (303) 773-6703 Office (8:00AM-5:00PM)  
Jim Ryder, Operations Manager (303) 973-6675 Home

Certification:

Greenwood Holdings Inc. (303) 773-6703 Office (8:00AM-5:00PM)  
Tom Foster (303) 690-5061 Home

Certification: (Continued)

Greenwood Holdings Inc.  
5600 S. Quebec Street  
Suite 150-C  
Englewood, CO. 80111

(303) 773-6703 (8:00AM-5:00PM)

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Greenwood Holdings Inc. will be fully responsible for the actions of their subcontractors. A complete copy of the approved Application for Permit to

Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Greenwood Holdings, Inc., its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

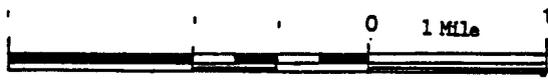
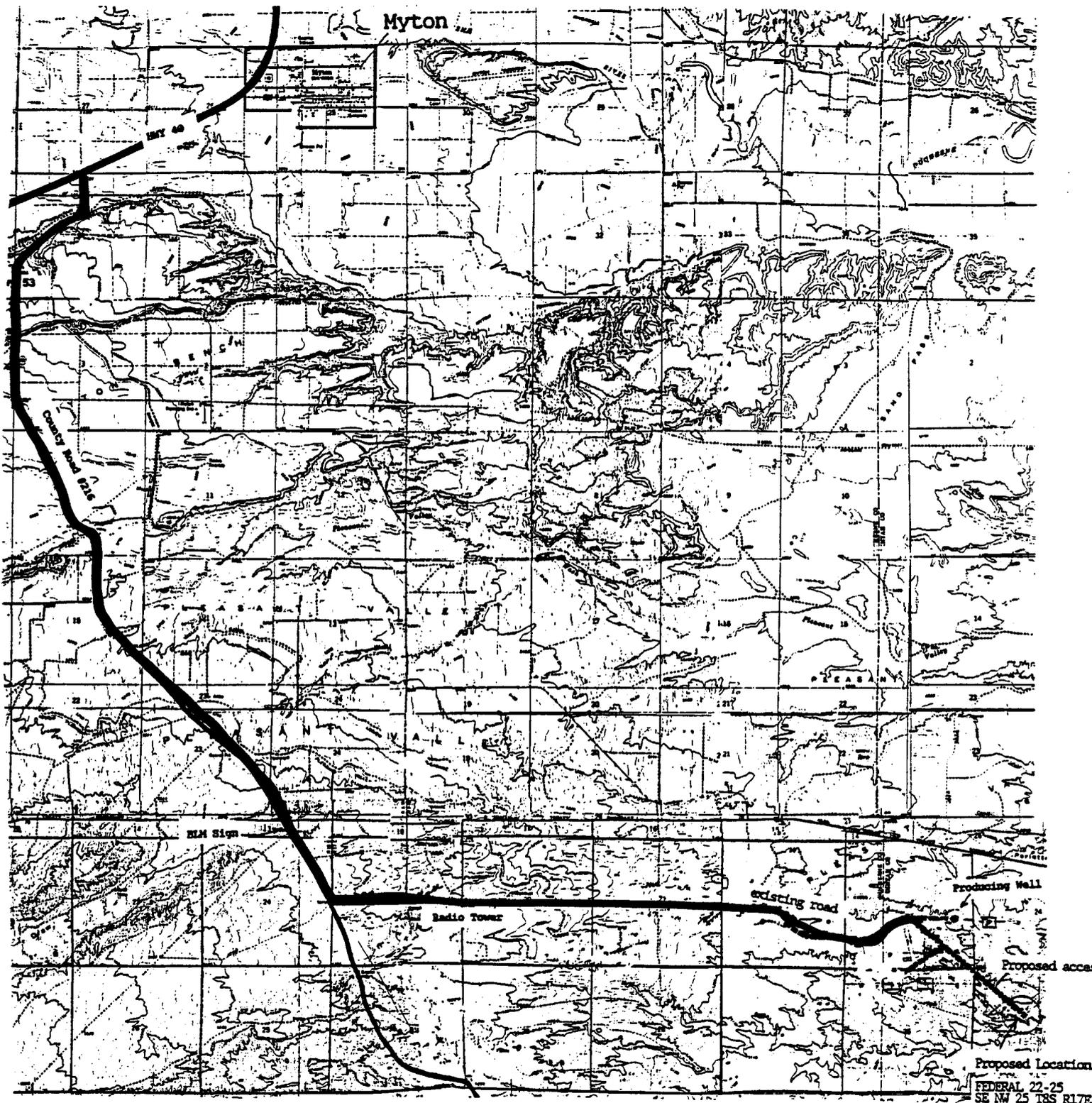
APR 11 1981

\_\_\_\_\_  
Date



\_\_\_\_\_  
Authorized Agent  
Thomas B. Foster, Vice President

Application is hereby being made for right-of-way across BML lands not previously established by Greenwood Holdings Inc. for lands affected by this plan. These lands include portions of Sections 23 and 24, Township 8 South, Range 17 East, as shown on Map "D".



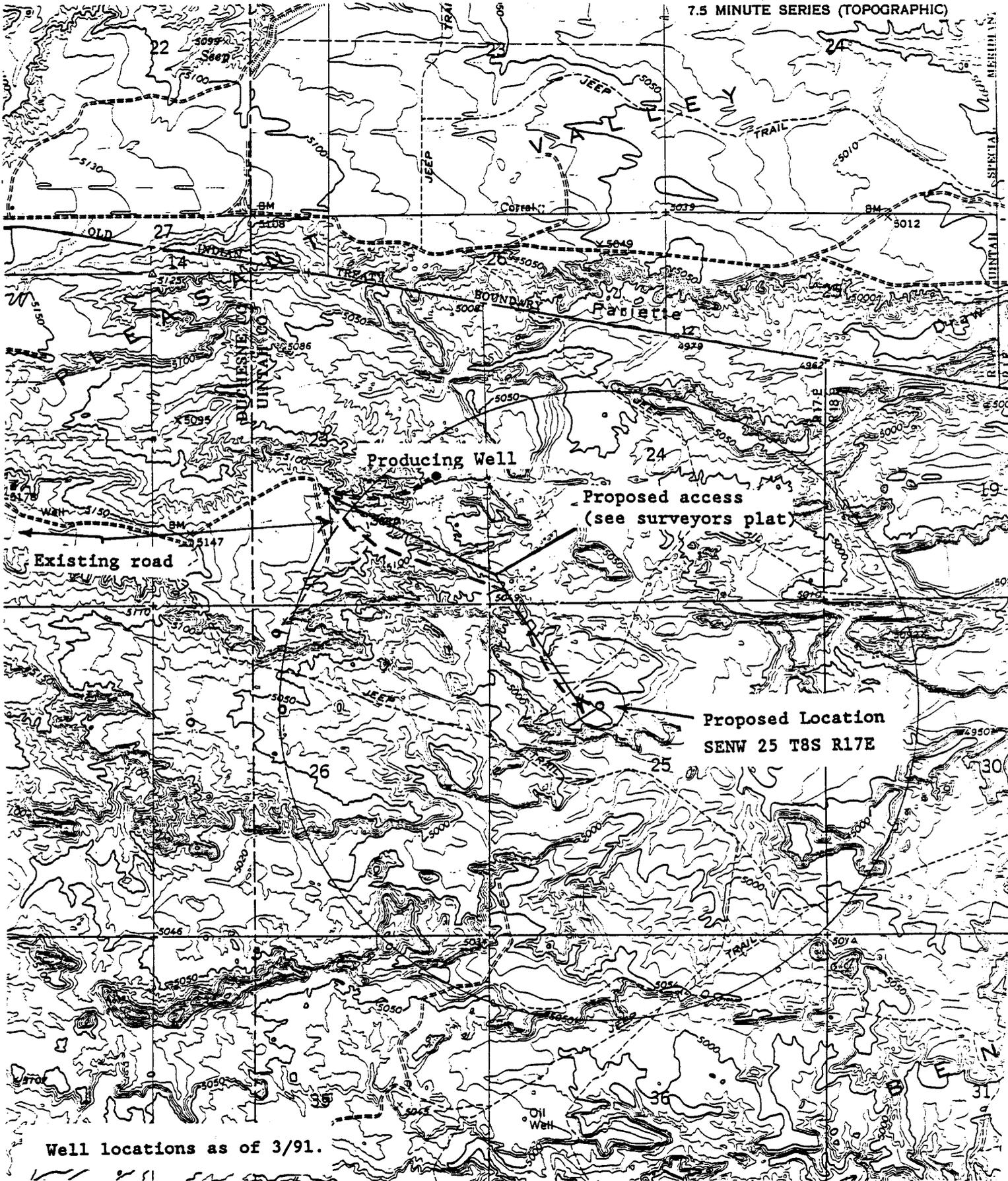
Scale

Greenwood Holdings Inc.

Federal 22-25  
 SENW Sec. 25 T8S R17E  
 Uintah County, Utah

LOCATION MAP "C"

PARIETTE DRAW SW QUADRANGLE  
UTAH  
7.5 MINUTE SERIES (TOPOGRAPHIC)



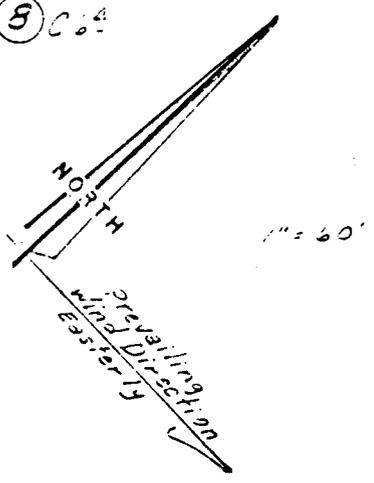
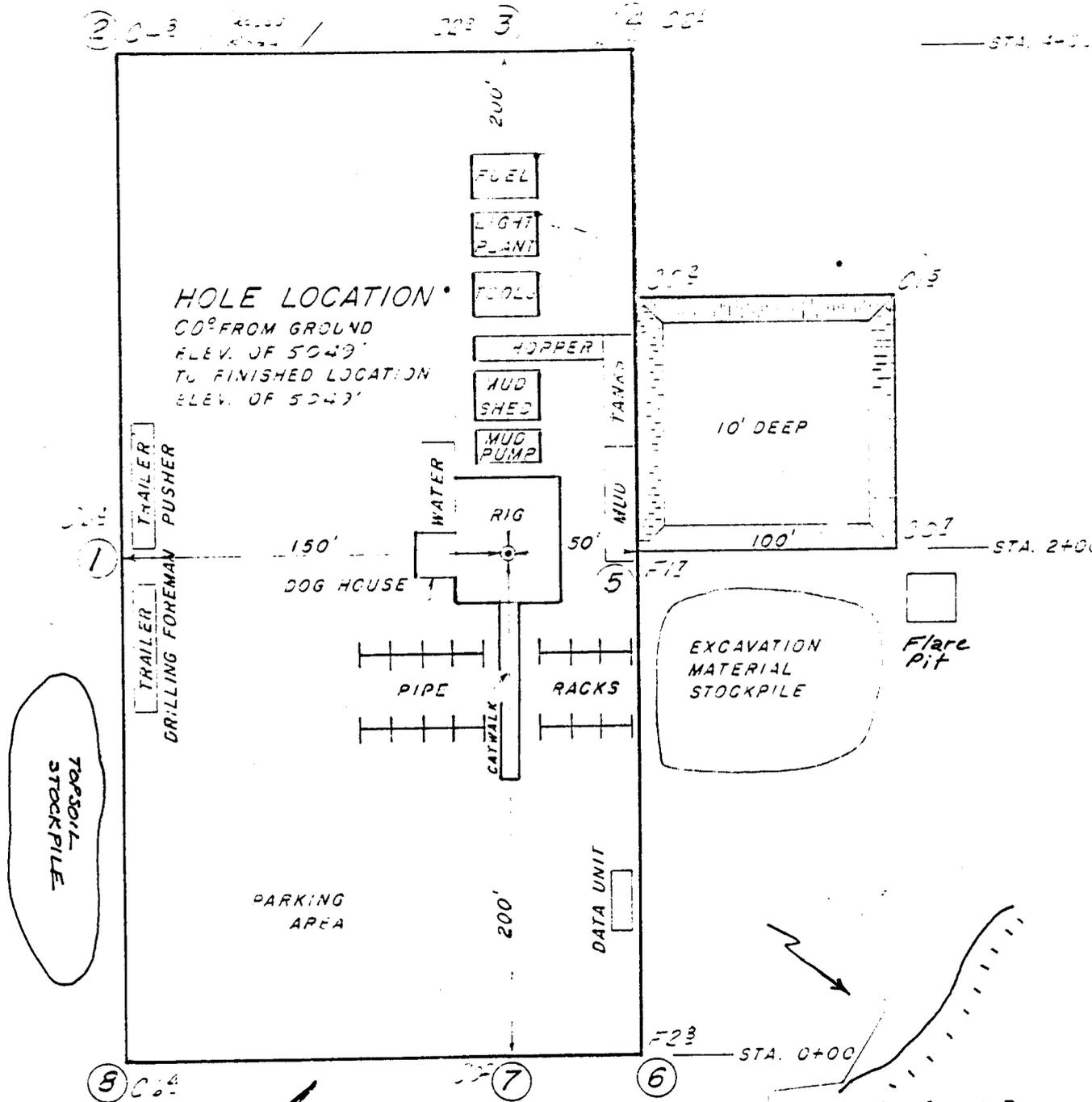
Well locations as of 3/91.

Federal 22-25  
SENW Sec. 25 T8S R17E  
Uintah County, Utah

SCALE 1:24000

Greenwood Holdings Inc.  
LOCATION MAP "D"

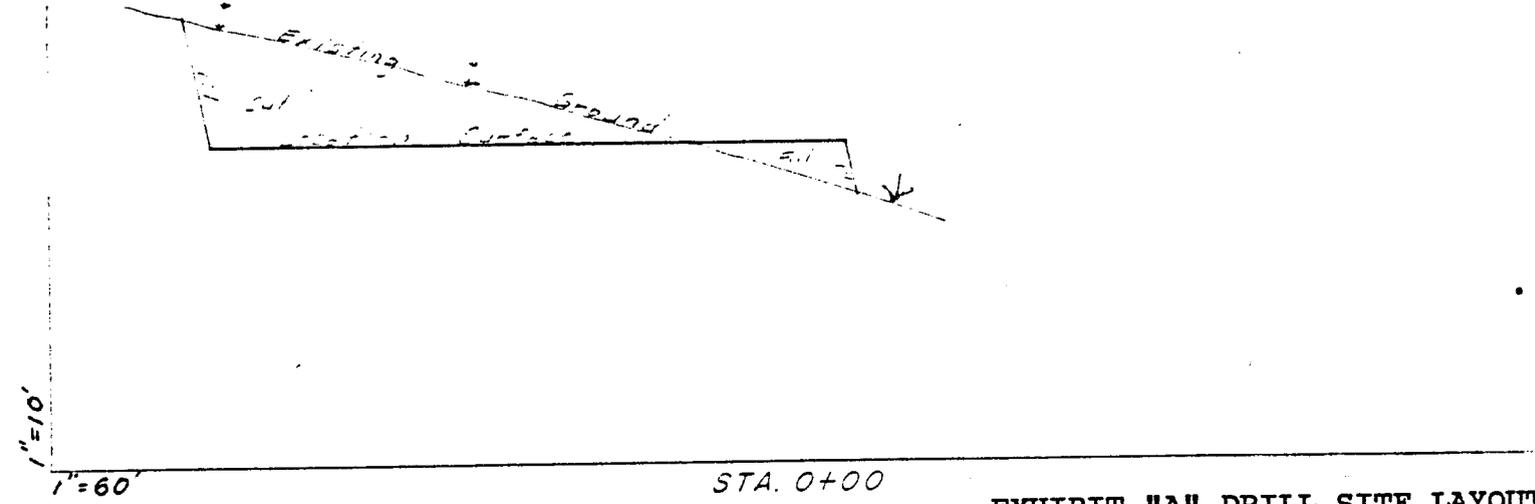
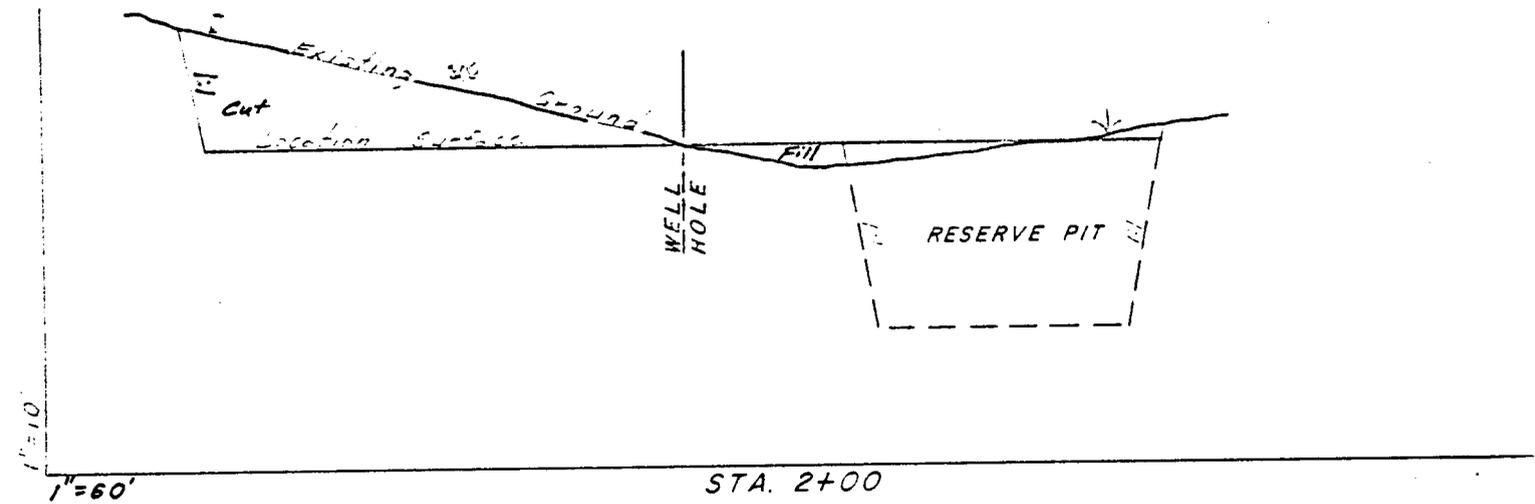
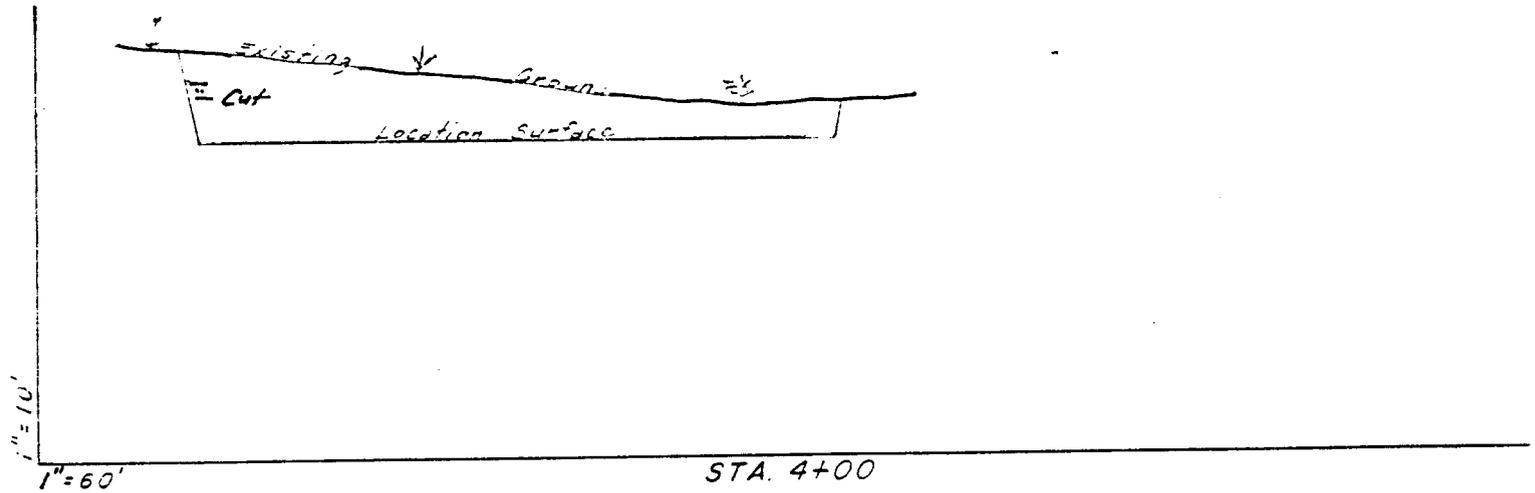
GREENWOOD HOLDINGS, INC.  
 WELL LAYOUT PLAT  
 FEDERAL 22-25



Silt Catchment Dam to be constructed 200' East of the Location as Flagged.

EXHIBIT "A"  
 DRILL SITE LAYOUT

Location in the SE 1/4 of the NW 1/4 of Section 25, T8S, R17E, S.L.B. & M.

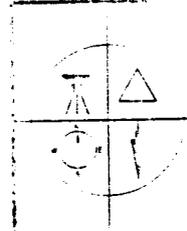


APPROXIMATE QUANTITIES

CUT: 10,900 yd<sup>3</sup>  
FILL: 500 yd<sup>3</sup>

4 April '91 91-121-002

**EXHIBIT "A" DRILL SITE LAYOUT  
CUT AND FILL DIAGRAM**



**JERRY D. ALLRED & ASSOCIATES**  
Surveying & Engineering Consultants

121 North Center Street  
P.O. Drawer C  
DUCHESNE UTAH 84021  
(801) 738-5352

ROAD EASEMENT AND  
RIGHT OF WAY AGREEMENT

A.B.S.J.....

This Agreement is made and entered into this 25th day of March, 1991, by and between, Ethan L. Nelson and Louise M. Nelson, husband and wife, and Brad L. Nelson and JoAnn H. Nelson, husband and wife, of P. O. Box 638, Roosevelt, Utah 84066, hereinafter collectively referred to as "Grantor", and Greenwood Holdings Inc., of 5600 South Quebec Street, Suite 150-C, Englewood, Colorado 80111, hereinafter referred to as "Operator".

WHEREAS, Grantor owns the surface of the land located in the N½SW¼, SE½SW¼ and S½SE¼ of Section 22 and the S½SW¼ of Section 23 and Grantor owns an agricultural permit issued by the United States Department of Interior covering certain lands located in the S½ of Section 23, all in Township 8 South, Range 17 East, SLM, Uintah and Duchesne Counties, Utah, hereinafter referred to as "Grantor's Lands"; and

WHEREAS, Operator desires access across the Grantor's Lands in order to drill wells, on lands other than the Grantor's Lands, for the purposes of exploring for oil and gas, and to operate and produce the wells if production is established.

NOW, THEREFORE, In consideration of the premises and the mutual covenants and obligations contained herein, Grantor and Operator agree as follows:

1. Grantor hereby grants and conveys unto Operator, its agents, successors and assigns, the right to use the existing road which crosses the Grantor's Lands from the west line of Section 22 into the southeast quarter of Section 23, Township 8 South, Range 17 East. Operator shall maintain the existing road and shall repair any damage caused by Operator's use thereof.

2. Grantor hereby grants and conveys unto Operator, its agents, successors and assigns, a right of way to construct and maintain a road across Grantor's Lands. Said road shall commence at the existing road in Section 23 and run south into Section 26 and is more fully described on Exhibit "A" attached hereto. This right of way is limited to that portion of the road that crosses the Grantor's Lands.

3. Grantor hereby acknowledges receipt of the sum of one thousand two hundred and no/100 dollars (\$1,200.00) cash in hand paid, which sum is consideration for this agreement, the renewal privileges herein granted, the rental for the first one year term hereof and settlement of damages caused to Grantor's Lands and Grantor's growing crops within the boundaries of the right of way described in Paragraph 2 hereof.

4. The term of this agreement shall be for a period of one year from the date hereof, with the right and privilege granted hereby to the Operator, its successors and assigns, to extend and continue this agreement from year to year thereafter, so long as the same is needed or desired by the Operator for its oil and gas operations, provided that Operator shall pay to the Grantor annually on or before the anniversary date hereof, the sum of one hundred and no/100 dollars (\$100.00). No change in the ownership of the Grantor's Lands shall be binding upon the Operator until it has been furnished with the original instrument of conveyance or transfer, or certified copy thereof, at least thirty (30) days in advance of the rental date.

5. In the event Operator drills any wells other than the well located in the NE½NW¼ of Section 26, Township 8 South, Range 17 East and Operator uses the above existing road and/or right of way for access to said additional wells, then Operator agrees to pay Grantor one hundred and no/100 dollars (\$100.00) prior to

commencing each additional well.

6. All gates on Grantor's Lands shall be kept closed and locked when not in use by the Operator unless written or verbal permission to the contrary is obtained from Grantor.

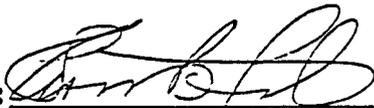
7. Upon termination of this agreement, Operator shall, within a reasonable period of time, restore the surface of the Grantor's Lands, which was disturbed by building the road described in paragraph 2 herein, as close as reasonably possible to its original condition.

8. Operator shall have the right to terminate and cancel this agreement at any time by furnishing written notice of termination to Grantor.

9. This agreement shall be binding upon and inure to the benefit of the parties hereto, their heirs, successors and assigns.

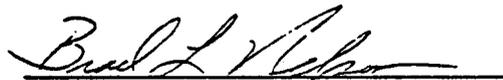
IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the date first written above.

Greenwood Holdings Inc.

By:   
Thomas B. Foster  
Vice President

  
Ethan L. Nelson

\_\_\_\_\_  
Louise M. Nelson

  
Brad L. Nelson

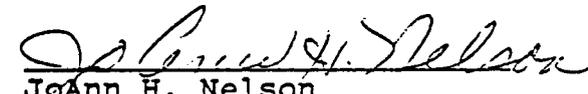
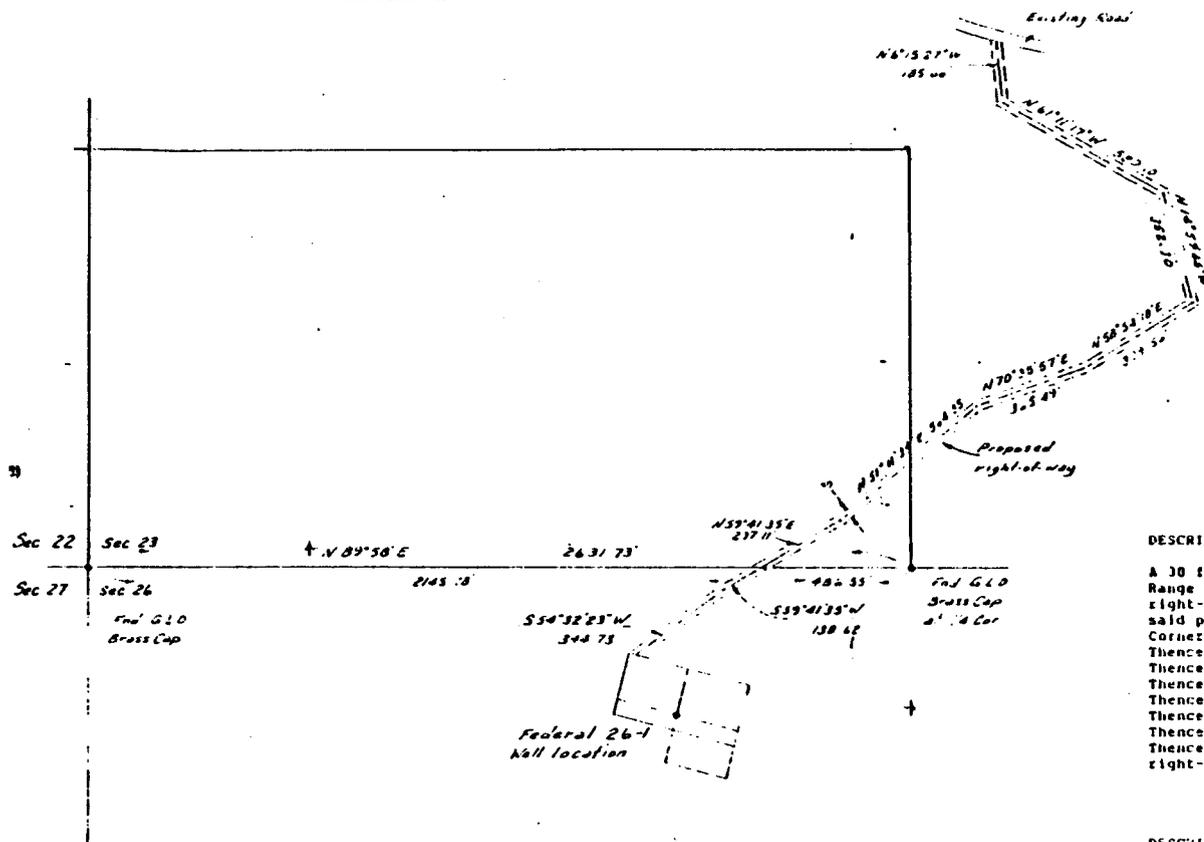
  
JoAnn H. Nelson

EXHIBIT "A"



RIGHT-OF-WAY SURVEY PLAT FOR  
GREENWOOD HOLDINGS, INC.  
FEDERAL 26-1

SECTIONS 23 AND 26, TOWNSHIP 8 SOUTH, RANGE 17 EAST  
SALT LAKE BASE AND MERIDIAN

DESCRIPTION OF RIGHT-OF-WAY IN SECTION 23

A 30 feet wide right-of-way over part of Section 23, Township 8 South, Range 17 East of the Salt Lake Base and Meridian, the centerline of said right-of-way beginning at a point on the South line of said Section, said point being North 89°58' East 2145.18 feet from the Southwest Corner of said Section;  
Thence North 59°41'35" East 297.11 feet;  
Thence North 51°11'34" East 564.35 feet;  
Thence North 70°35'57" East 365.49 feet;  
Thence North 58°54'18" East 399.56 feet;  
Thence North 14°59'45" West 352.30 feet;  
Thence North 61°11'17" West 580.10 feet;  
Thence North 6°15'27" West 185.66 feet to an existing road, said right-of-way being 2744.57 feet in length and containing 1.89 acres.

DESCRIPTION OF RIGHT-OF-WAY IN SECTION 26

A 30 feet wide right-of-way over part of Section 26, Township 8 South, Range 17 East of the Salt Lake Base and Meridian, the centerline of said right-of-way beginning at a point on the North line of said Section, said point being North 89°58' East 2145.18 feet from the Northwest Corner of said Section;  
Thence South 59°41'35" West 138.62 feet;  
Thence South 54°32'23" West 344.73 feet to the Federal 26-1 well location, said right-of-way being 483.35 feet in length and containing 0.33 acres.

SURVEYOR'S CERTIFICATE

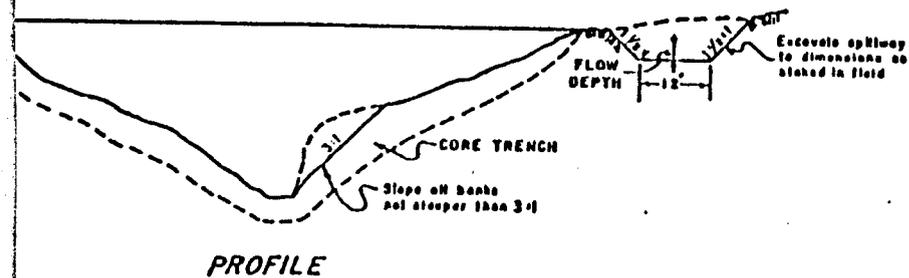
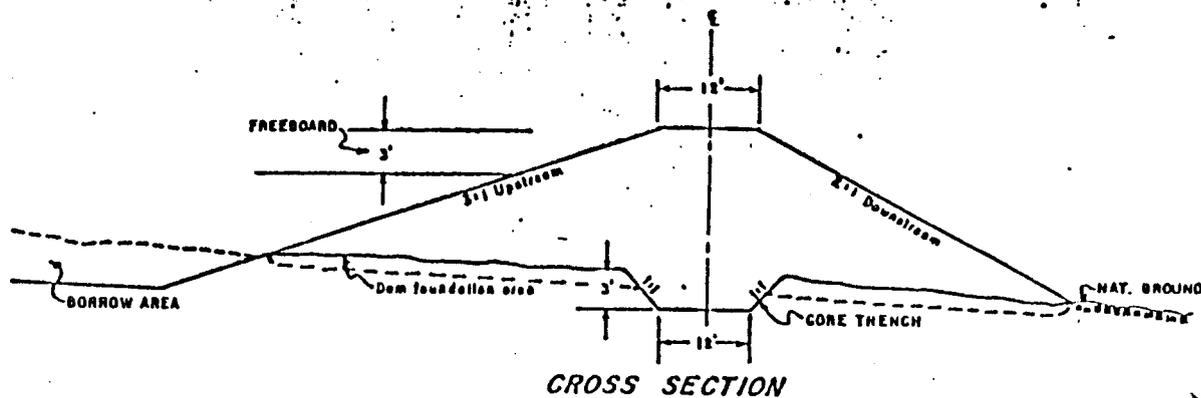
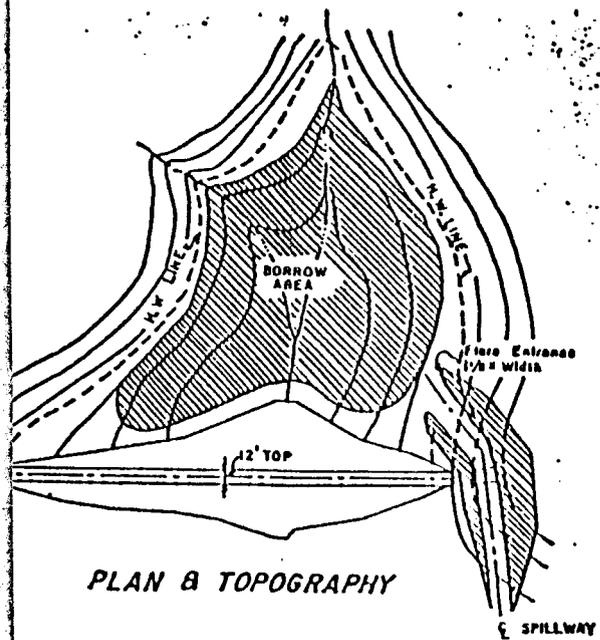
This is to certify that I have surveyed the right-of-ways shown on this plat, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

*Jerry D. Allred*  
Jerry D. Allred, Registered Land Surveyor, Cert. No. 3817 (Utah)



JERRY D. ALLRED & ASSOCIATES  
Surveying & Engineering Consultants  
121 North Center Street  
P.O. Drawer C  
DURHAM, UTAH 84401  
(801) 738-9352





**MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.**

1. BLM PERSONNEL MUST APPROVE SITE LOCATION, FILL MATERIAL, FOUNDATION MATERIAL, SPILLWAY SIZE AND LOCATION.
2. DAM LAYOUT & LOCATION MUST BE WITH SURVEYING INSTRUMENTS BY QUALIFIED SURVEYOR,
3. MAX. WATER DEPTH AGAINST THE DAM WILL BE 10' WHEN CONSTRUCTED WITH A CRAWLER TRACTOR.
4. SOIL WILL BE PLACED IN NOT MORE THAN 6" LIFTS AND EACH LIFT COMPACTED WITH A CRAWLER TRACTOR.
5. SPILLWAY MUST BE THROUGH NATURAL MATERIAL.
6. A CORE TRENCH WILL BE CONSTRUCTED 3' DEEP OR TO BED ROCK.
7. BORROW MATERIAL WILL BE TAKEN FROM WITHIN THE RESERVOIR BASIN BELOW THE HIGH WATER MARK WHENEVER POSSIBLE.

U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
<b>RETENTION DAM TYPICAL PLAN &amp; SECTION</b>	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ <small>CHIEF, DIV. OF ENG.</small>
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1
DRAWING NO. _____	

**ALWAYS THINK SAFETY** 070 570 170

**EXHIBIT "F"**  
**Silt Catchment Dam Specifications**

MINIMUM STANDARDS FOR DAMS  
IMPOUNDING UNDER 10 AC. FT.

- I. Site Location and Design
  - A. Authorized BLM personnel must approve site location, fill material, foundation material, spillway size and location.
  - B. Dam layout and location shall be with surveying instruments by qualified personnel.
- II. Borrow Areas
  - A. Borrow material shall be taken from within the reservoir basin below the high water line whenever possible.
  - B. Vegetation, debris, and topsoil shall be removed to a depth of 12" below natural ground line and deposited as directed.
  - C. Vegetation, debris, and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line as directed.
  - D. Vegetation, debris and topsoil moved below the dam shall be contoured, smoothed and blended into natural ground lines away from fill areas and outside the wash bottom.
  - E. Borrow areas shall be smoothed, contoured and blended into natural ground lines.
- III. Core Trench and Dam Foundation
  - A. A core trench shall be constructed 12' wide along the full length of the dam center line to a minimum depth of 3' or bedrock.
  - B. Sides of the core trench shall not be steeper than 1:1 slopes.
  - C. Soft or unstable material encountered in the core trench or dam foundation shall be removed and will not be used as fill.
- IV. Dam and Core Fill
  - A. Fill shall be homogeneous material, preferably of highly impervious, compactable soils (such as high clay content soils free of organic material, sand or rock).
  - B. Lifts of fill shall not exceed 6" when compacted.
  - C. Fill shall be built up at a consistent rate the full length of the dam.
  - D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
  - E. Fill shall be smoothed, maintaining specified slopes.
- V. Spillway
  - A. Spillway shall be constructed through natural material.
  - B. Spillway shall be constructed to divert overflow away from fill areas or natural material that is an integral part of the dam.
  - C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.

# CONFIDENTIAL

OPERATOR Ameriwood Holdings, Inc. DATE 4-17-91

WELL NAME Redwood 01-05

SEC SE 1/4 05 T 8S R 17E COUNTY Montana

43-047-30008  
API NUMBER

Redwood (1)  
TYPE OF LEASE

CHECK OFF:

PLAT.

BOND

NEAREST WELL

LEASE

FIELD SLBM

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in sec 05.  
Water Permit  
Exemption location requested

APPROVAL LETTER:

SPACING:

R615-2-3

N/A  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- needs water permit

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 9-17-92

*Copy*

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING  
WELL COMPLETION FORM

COMPANY: GREENWOOD HOLDINGS

WELL NAME: FEDERAL 22-25

API #: 43-047-32008

QTR QTR: SENW SECTION: 25

TWP: 08 SOUTH RANGE: 17 EAST

INSPECTOR: CAROL KUBLY

TIME: 1250 HRS DATE: 09.25.91

WELL STATUS: POW

PRODUCING FORMATION: WASATCH

SPUD DATE: 05.03.91

T.D. DATE: 05.11.91

DEPTH: 7020'

IP: BOPD: 072

MCFPD: 60

BWPD: 08

```

=====
__Y__ WELL SIGN      __Y__ HOUSEKEEPING  __Y__ SECURITY
__N__ RESERVE PIT    __N__ FLARE PIT      __N__ EMERGENCY PIT
__N__ FLARING        __N__ VENTING        __N__ METERING
=====

```

LEGEND: (Y) - YES (N) - NO (P) - PROBLEM (N/A) - NOT APPLICABLE

FACILITIES INSPECTED: LOCATION, WELL HEAD, PUMP JACK, PROPANE TANK,  
SEPARATOR, WATER TANK, PRODUCTION BATTERY.

REMARKS: POW - RESERVE PIT FILLED IN AND CONTOURED. SOME PLASTIC LINER AT  
SURFACE. TANKS SEALED. LOCATION OK. CANNOT DISCERN WHERE GAS IS GOING  
OTHER THAN LEASE USE.

ACTION: \_\_\_\_\_

\_\_\_\_\_

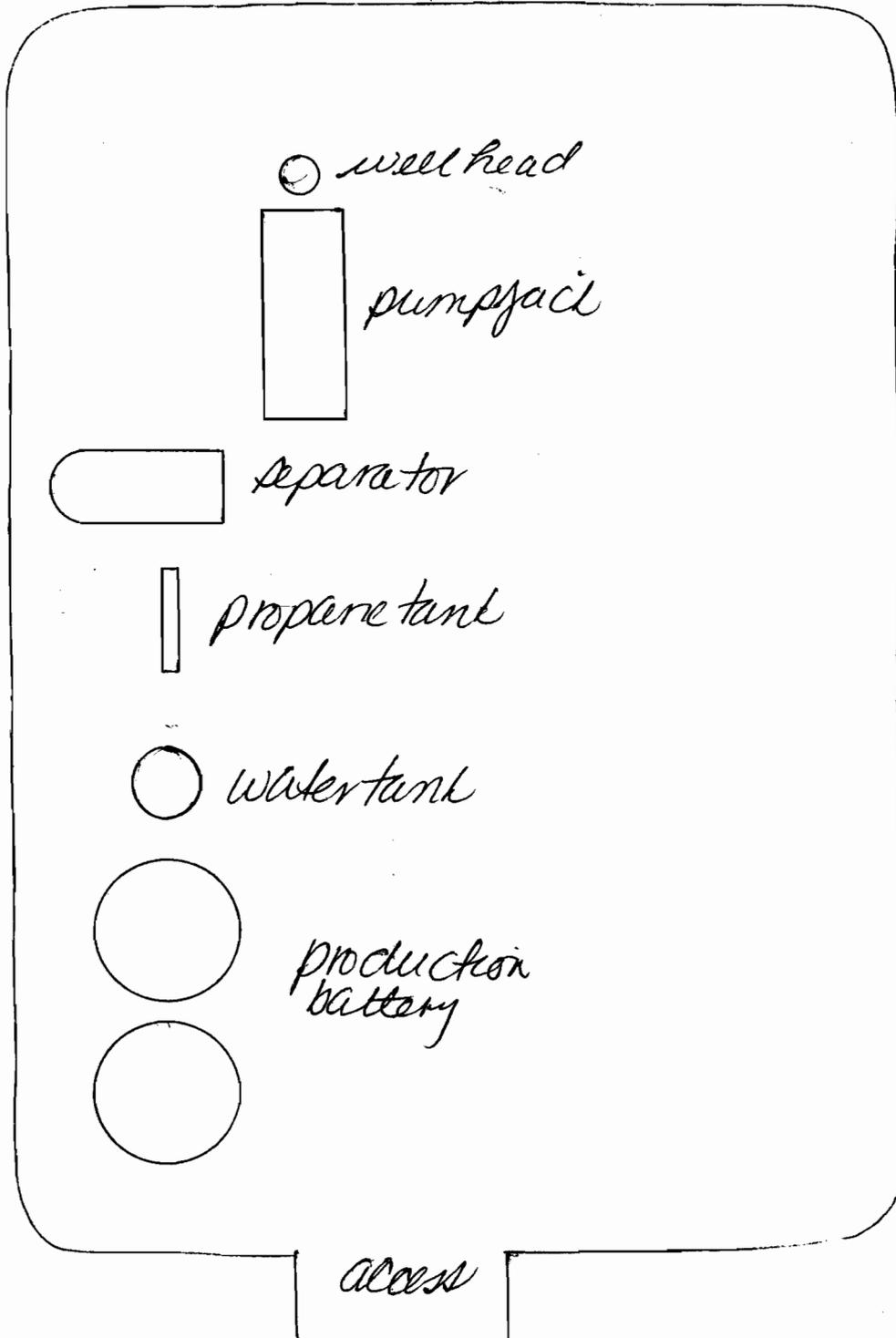
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Federal 22-25

Sec 25, T8S0, R17E

Chubly 9.25.91

↘ N





# 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

April 18, 1991

Greenwood Holdings, Inc.  
5600 South Quebec Street, Suite 150-C  
Englewood, Colorado 80111

Gentlemen:

Re: Federal 22-25 Well, 1667 feet from the North line, 1773 feet from the West line, SE NW, Section 25, Township 8 South, Range 17 East, Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with Utah Admin. R.615-3-3, subject to the following stipulation:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. Section 73-3, Appropriation.

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 Entity Action Form 6, 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 in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Utah Admin. R.615-3-20, Gas Flaring or Venting.

Page 2  
Greenwood Holdings, Inc.  
Federal 22-25  
April 18, 1991

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 Drinking Water/Sanitation, telephone (801) 538-6159.
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 43-047-32008.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

tas  
Enclosures  
cc: Bureau of Land Management  
J. L. Thompson  
we14/1-4

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

GREENWOOD HOLDINGS INC.

3. ADDRESS OF OPERATOR  
 5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD CO 80111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 1667' FNL, 1773' FWL, SE 1/4 NW 1/4 SEC. 25, T8S-R17E  
 At proposed prod. zone

43-047-32008

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 SEVEN (8) MILES SOUTHEAST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1667'

16. NO. OF ACRES IN LEASE  
 1,480

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.  
 4350'+

19. PROPOSED DEPTH  
 6,900"

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5,049' GL

22. APPROX. DATE WORK WILL START\*  
 May 1, 1991

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" J55	24#	300'	200 SX CIRC. TO SURFACE*
7 7/8"	5 1/2" K55	15.5#	0-6,900'	725 SX AS REQUIRED*

\* CEMENT VOLUMES MAY CHANGE DUE TO HOLE SIZE. CALCULATE FROM CALIPER LOG.

GREENWOOD REQUESTS EXCEPTION TO RULE R615-3-2 (pursuant to R615-3-3) DUE TO PROHIBITIVE TOPOGRAPHY. A LARGE BUTTE EXISTS IN THE N 1/2 OF THIS SECTION. DRILLING NEAR THE EDGE OF THIS FEATURE MAY CAUSE EROSION AND HAZARDOUS OPERATING CONDITIONS. Placement of the location as staked will allow construction of the site a safe distance from the escarpment. GREENWOOD OWNS OR CONTROLS ALL PROPERTY WITHIN 660' OF THIS LOCATION.

I hereby certify that Greenwood Holdings Inc. is authorized by the proper Lease Interest Owners to conduct lease operations associated with this Application for Permit to Drill the Federal Lease #UTU-67845. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Continental Casualty Co. Nationwide Bond #2666648, BLM Bond #WY2246. Greenwood Holdings Inc. will be responsible for compliance with all the terms and conditions of that portion of the lease associated with this Application.

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 Thomas B. Foster TITLE Vice President DATE April 11, 1991

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE 4/25/91  
 CONDITIONS OF APPROVAL, IF ANY:

**NOTICE OF APPROVAL**

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

Ut OSC-11112

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED**

APR 29 1991

**CONDITIONS OF APPROVAL  
FOR APPLICATION FOR PERMIT TO DRILL**

**DIVISION OF  
OIL GAS & MINING**

Company/Operator: Greenwood Holdings, Inc.

Well Name & Number: Federal 22-25

Lease Number: U-67845

Location: SENW, Sec. 25, T. 8S, R. 17E

Surface Ownership: Federal

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the other resources shall be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 feet above the top of the Mahogany oil shale identified at + 3210 feet.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the Authorized Officer. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer (AO).

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the production casing.

6. Notifications of Operations

The Vernal District Office shall be notified during regular work hours (7:45 a.m. - 4:30 p.m., Monday through Friday, except holidays), at least twenty-four (24) hours PRIOR to spudding the well.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of thirty (30) days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the AO. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

All site security regulations, as specified in Onshore Oil and Gas Order No. 3, shall be adhered to.

## 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

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

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 789-3634

**EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES**

While the following wastes are nonexempt, they are not necessarily hazardous:

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt wastes.

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids

## SURFACE USE PROGRAM

### 1. Access Roads-

The well site and proposed access road are situated on surface estate which is owned by the United States of America and administered by:

Area Manager  
Diamond Mountain Resource Area Office  
170 South 500 East  
Vernal, Utah 84078  
Phone: (801) 789-1362

### 2. Location of Existing and/or Proposed Facilities

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the reserve pit.

### 3. Well Site Layout

The reserve pit will be located on the north side.

The flare pit will be located downwind of the prevailing wind direction on the north side a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil (first six inches) will be stored on the south side between points 1 and 8.

Access to the well pad will be from the southwest side, between points 2 and 3.

The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

4. Other Information

Approval of this APD does not grant Greenwood Holdings, Inc. the right to access or use the identified alternate live water source in the SWNE, Section 25, T8S, R17E (Multi-Point Surface Use and Operation Plan). BLM cannot grant water rights. If a State Water Right is obtained, BLM approval is necessary to access the water.

**CONFIDENTIAL**

DIVISION OF OIL, GAS AND MINING

API NO. 43-047-32008

SPUDDING INFORMATION

NAME OF COMPANY: GREENWOOD HOLDINGS, INC.

WELL NAME: FEDERAL 22-25

SECTION SEW 25 TOWNSHIP 8S RANGE 17E COUNTY UINTAH

DRILLING CONTRACTOR MAXIM

RIG # 1

SPUDDED: DATE 5/3/91

TIME 12:00 (noon)

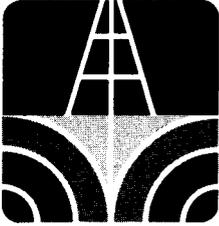
HOW ROTARY

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY JIM RIDER

TELEPHONE # 303-773-6703

DATE 5/2/91 SIGNED TAS (TAKEN BY: SBH)



Greenwood  
Holdings Inc.

5600 South Quebec Street  
Suite 150-C  
Englewood, Colorado 80111  
(303) 773-6703  
Facsimile: (303) 694-1154

May 3, 1991

Oil and Gas Supervisor  
State of Utah  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Subject; APD Federal 22-25  
SENW Sec. 25 T8S R17E  
Uintah County, Utah

*43-047-32008*

Dear Oil and Gas Supervisor,

Enclosed for your files is one (1) approved copy of Greenwood Holdings Inc.'s Application for Permit to Drill the Federal 12-26 at the above captioned location. Also, with regard to the water use at this location, we will be using the same water source as was used in the Federal 26-1. A copy of the water use permit is provided herewith.

If you should require further information please do not hesitate to call.

Sincerely,

Steve M. Fillingham  
Greenwood Holdings Inc.

**RECEIVED**

MAY 06 1991

DIVISION OF  
OIL GAS & MINING



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
VERNAL DISTRICT OFFICE  
170 SOUTH 500 EAST  
VERNAL, UTAH 84078

April 25, 1991



RECEIVED  
APR 29 1991  
MAIL

IN REPLY REFER TO:  
3160  
UT08438

Greenwood Holdings, Inc.  
5600 S. Quebec St., Suite 150-C  
Englewood, CO 80111

Re: Well No. 22-25  
SENW, Sec. 25, T8S, R17E  
Lease No. U-67845  
Uintah County, Utah

Gentlemen:

Enclosed is an approved copy of the Application for Permit to Drill for the above referenced well.

A copy of the approved APD was retained at this office to be picked up by your field representative.

If you have any questions concerning this matter, please contact Pat Sutton of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager  
for Minerals

Enclosure

RECEIVED

MAY 06 1991

DIVISION OF  
OIL GAS & MINING

**CONDITIONS OF APPROVAL**  
**FOR APPLICATION FOR PERMIT TO DRILL**

Company/Operator: Greenwood Holdings, Inc.

Well Name & Number: Federal 22-25

Lease Number: U-67845

Location: SEW, Sec. 25, T. 8S, R. 17E

Surface Ownership: Federal

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
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- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

BLM FAX Machine (801) 789-3634

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Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation, and miscellaneous solids

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DIVISION OF OIL, GAS & MINING

SPUDDING INFORMATION

API: 43-047-32008

NAME OF COMPANY: Greenwood Holdings Inc.

WELL NAME: FEDERAL 22-25

QQ: SE½NW½ SECTION: 25 TOWNSHIP: 8 SOUTH RANGE: 17 EAST

DRILLING CONTRACTOR: Maxim Drilling and Exploration

RIG: 1

SPUDDED: MAY 3, 1991

TIME: 1:00 AM

HOW: ROTARY

DRILLING WILL COMMENCE: MAY 3, 1991

REPORTED BY: Steve M. Fillingham

TELEPHONE: (303) 773-6703

DATE: May 3, 1991

**RECEIVED**

MAY 06 1991

DIVISION OF  
OIL GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
UTU-67845

6. If Indian, Allottee or Tribe Name  
NONE

7. If Unit or CA. Agreement Designation  
NONE

SUBMIT IN TRIPLICATE

8. Well Name and No.  
FEDERAL 22-25

9. API Well No.  
43-047-32008

10. Field and Pool, or Exploratory Area  
UNNAMED/WILDCAT

11. County or Parish, State  
UINTAH CO. UTAH

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
GREENWOOD HOLDINGS INC. (303) 773-6703

3. Address and Telephone No.  
5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1667' FNL 1773' FWL SE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC 25 T8S T17E

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

SPUDED WELL MAY 3, 1991 1:00 AM  
SPUD REPORT ATTACHED

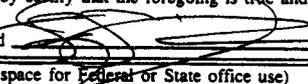
CONFIDENTIAL

RECEIVED

MAY 06 1991

DIVISION OF  
OIL GAS & MINING

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

Signed 

Title Geologist

Date May 3, 1991

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

ENTITY ACTION FORM - FORM 6

OPERATOR GREENWOOD HOLDINGS INC.  
ADDRESS 5600 S. QUEBEC SUITE 150-C  
ENGLEWOOD, CO 80111

OPERATOR ACCT. NO. N 0745

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				SPUD DATE	EFFECTIVE DATE	
					QQ	SC	TP	RG			COUNTY
A	99999	11226	43- <del>247</del> -32008	FEDERAL 22-25	SE NW	25	8 S	17 E	UINTAH	5/3/91	
WELL 1 COMMENTS: Federal-Lease Proposed Zone-WSTC Field-Undesignated (New entity added 5-10-91.) Unit-N/A JLR											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

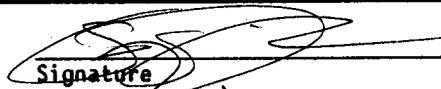
- ACTION CODES** (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

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

**RECEIVED**

MAY 09 1991

DIVISION OF  
OIL GAS & MINING

  
Signature  
GEOLOGIST  
Date 5/7/91  
Title  
Phone No. 303 ) 773-6703

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

UTU-67845

6. If Indian, Allottee or Tribe Name

NONE

7. If Unit or CA, Agreement Designation

NONE

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well    Gas Well    Other

2. Name of Operator

GREENWOOD HOLDINGS INC. (303) 773-6703

3. Address and Telephone No.

5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1667' FNL 1773' FWL SE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC 25 T8S T17E

8. Well Name and No.

FEDERAL 22-25

9. API Well No.

43-047-32008

10. Field and Pool, or Exploratory Area

UNNAMED/WILDCAT

11. County or Parish, State

UINTAH CO. UTAH

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other
- Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

SPUDED WELL MAY 3, 1991, TD 7050' reached May 13, 1991, daily drilling reports attached.

An additional 150' of rathole was drilled below the permit depth of 6900' to allow room for logs and completion.

PLEASE KEEP ALL INFORMATION CONFIDENTIAL ON THIS WELL.

**RECEIVED**

MAY 16 1991

DIVISION OF  
OIL GAS & MINING

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

Steve M. Fillingham  
Geologist

May 14, 1991

Signed \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Conditions of approval, if any:

Drilling Report  
Federal 22-25  
Page 3

- 5-9-91 Pres Oper: drlg, Depth 5468' (687'/22.25 hrs), Form: shale, MW: 8.6, pH: 10.5, WOB 45,000, PP 1350 @ 68 SPM, RPM: 76, drlg 7 7/8" hole w/4% KCL, Bit #1 in @ 316' type F4H, serial no. KR8477, size 7 7/8", hrs 105 1/4, checked BOP @ 9:30 a.m. Surveys: 1 3/4° @ 5129'.
- Last 24 hrs: drlg (22.25 hrs), misc (1.75 hrs)
- DWC: \$8,339 CWC: \$73,873
- 5-10-91 Pres Oper: drlg, Depth 6059' (581'/17.75 hrs), Form: shale, MW: 8.6, pH: 10.5, WOB 45,000, PP 1250 @ 68 SPM, RPM: 76, drlg 7 7/8" hole w/4% KCL, Bit #1 in @ 316' out @ 5782' type F4H, serial no. KR8477, size 7 7/8", hrs 114 1/4, Bit # 2 in @ 5782' type F3H, serial no. KS0368, size 7 7/8", hrs 8 3/4, checked BOP @ 9:15 a.m. Surveys: 1 3/4° @ 5782'.
- Last 24 hrs: drlg (17.75 hrs), trip (5.25 hrs), misc (1 hrs)
- DWC: \$8,339 CWC: \$82,212
- 5-11-91 Pres Oper: drlg, Depth 6838' (779'/23.25 hrs), Form: Wasatch, MW: 8.6, pH: 10, WOB 40,000, PP 1250 @ 68 SPM, RPM: 76, drlg 7 7/8" hole w/4% KCL, Bit # 2 in @ 5782' type F3H, serial no. KS0368, size 7 7/8", hrs 32, checked BOP @ 11:00.m.
- Last 24 hrs: drlg (23.25 hrs), misc (.75 hrs)
- DWC: \$8,339 CWC: \$90,551
- 5-12-91 Pres Oper: drlg, Depth 7000' (162'/6.25 hrs), Form: Wasatch, MW: 8.6, pH: 10, WOB 40,000, PP 1250 @ 68 SPM, RPM: 76, drlg 7 7/8" hole w/4% KCL, Bit # 2 in @ 5782' out @ 7000' type F3H, serial no. KS0368, size 7 7/8", hrs 38.25, checked BOP @ 8:00.m., surveys: 1 1/4° @ 7000', hole completed @ 2:15 p.m., short trip & circ till 10:30 p.m., on ----- @ 1:30 a.m., log by Atlas (7000') w/DLL, GR, SP&FDC CNL till 7:00 a.m.
- Last 24 hrs: drlg (6.25 hrs), log (16.75 hrs), misc (1 hrs)
- DWC: \$8,339 CWC: \$98,890
- 5-13-91 Pres Oper: circ WO csg, Depth 7050' (50'/1.75 hrs), Form: Wasatch, MW: 8.6, pH: 10, WOB 40,000, PP 1050 @ 68 SPM, RPM: 76, drlg 7 7/8" hole w/4% KCL, Bit # 3 in @ 7000'

Drilling Report  
Federal 22-25  
Page 4

out @ 7050' type F3H, serial no. rr, size 7 7/8", hrs  
1.75, checked BOP @ 7:00.m., log till 7:30 a.m., trip in  
till 11:45 a.m., hole completed @ 1:30 p.m., circ & WO  
csg till 7:00 a.m.

Last 24 hrs: drlg (1.75 hrs), log (4.75 hrs), case  
(17.50 hrs)

DWC: \$64,525

CWC: \$163,415

5-14-91 Pres Oper: circ 5 1/2" csg, Depth: 7050' TD, Form:  
Wasatch, WO csg until 8:00 a.m., TOH & LN 2 jts DP & 1 DC  
w/hole until 12:00 noon, unload csg until 3:00 p.m., TIH  
until 6:30 p.m., circ until 7:30 p.m., LD DP until 12:30  
a.m., ran 5 1/2" csg until 6:30 a.m., circ until 7:00a.m.

DWC: \$8,339

CWC: \$171,754

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

UTU-67845

6. If Indian, Allottee or Tribe Name

NONE

7. If Unit or CA, Agreement Designation

NONE

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well    Gas Well    Other

8. Well Name and No.

FEDERAL 22-25

2. Name of Operator

GREENWOOD HOLDINGS INC. (303) 773-6703

9. API Well No.

43-047-32008

3. Address and Telephone No.

5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111

10. Field and Pool, or Exploratory Area

UNNAMED/WILDCAT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1667' FNL 1773' FWL SE 1/4 NW 1/4 SEC 25 T8S T17E

11. County or Parish, State

UINTAH CO. UTAH

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

ENCLOSED IS ONE COPY OF THE OPEN HOLE LOGS FOR THIS WELL,  
PLEASE KEEP THIS INFORMATION CONFIDENTIAL.

DUAL LATEROLOG GAMMA RAY

COMPENSATED DENSILOG/COMPENSATED NEUTRON/GAMMA

**RECEIVED**

MAY 20 1991

DIVISION OF  
OIL GAS & MINING

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

Signed

Title

Steve M. Fillingham

Date

May 17, 1991

Geologist

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

Form 3100-5  
December 1989

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1008-1133  
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

3. Lease Designation and Serial No.

UTU-67845

4. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

none

8. Well Name and No.

Federal 22-25

9. API Well No.

43-047-32008

10. Field and Pool, or Exploratory Area

Wildcat / Unnamed

11. County or Parish, State

Uintah, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Greenwood Holdings Inc.

3. Address and Telephone No.

5600 S. Quebec St., Suite 150-C, Englewood, Co. 80111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1667' FNL 1773' FWL SE $\frac{1}{2}$ NW $\frac{1}{4}$  SEC 25 T8S T17E

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

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Abandonment
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Other
- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

Please find enclosed completion reports from August 10 through August 15.

We have also included a cement bond log. Please keep these  
CONFIDENTIAL.

RECEIVED

AUG 19 1991

DIVISION OF  
OIL GAS & MINING

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

Signed

*James J. Reed*

Title

*Operations Manager*

Date

*8-16-91*

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date



Completion Report  
Federal 22-25  
Page 6

8-14-91 7am to 9am well flowed 93 bbls and slowed down so that we could run tbg, RIH w/tbg, tag sand @ 6300', POOH and LD 1000' of tbg, RIH w/NC @ 5354', 1 jt, 4' perforated sub, SN @ 5320', 3 jts, anchor @ 5321' and 160 jts tbg to surface, ND BOP, set anchor w/12,000# tension, RU rod equip, RIH w/1 1/2 pump, cent, weight rod, cent, weight rod, 105 3/4 rods, 10 7/8 rods and shut well in for the night, total fl rec 1000 bbls (frac fl), left to rec 780 bbls.

CC: \$2,069

CWC: \$130,356

8-15-91 Tbg 0, csg 50#, LD polish rod and stuffing box, finish RIH w/7/8 rods (95), 1-8' sub, 1-6' sub, 30' polish rod, space out pump and start pumping @ 11 am, pump quit pumping, re-spaced after rig crew left and tagged pump, started pumping @ 7 pm.

Rod Detail: 2 1/2 x 1 1/2 x 16 pump, 2' cent, 1-weight rod, 2' cent, 1-weight rod, 105- 3/4 rods, 104 7/8 rods, 1-8' sub, 1-6' sub, 1-30' polish rod.

CC: \$1,632

CWC: \$131,988

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

**CONFIDENTIAL**

LEASE DESIGNATION AND SERIAL NO.

UTU-67845

IF INDIAN, ALLOTTEE OR TRIBE NAME

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RENVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**GREENWOOD HOLDINGS INC.**

3. ADDRESS OF OPERATOR  
**5600 S. QUEBEC ST., SUITE 150-G, ENGLEWOOD CO 80111**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface **1667' FNL, 1773' FWL, SE~~NW~~ SEC 25 T8S R17E**  
At top prod. interval reported below  
At total depth

**RECEIVED**  
**SEP 16 1991**

**DIVISION OF OIL GAS & MINING**

7. UNIT AGREEMENT NAME

**NONE**

8. FARM OR LEASE NAME

**No. 8 Mile Flat**

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA

**SEC 25, T8S-R17E**

9. WELL NO.

**FEDERAL 22-25**

10. FIELD AND POOL, OR WILDCAT

12. COUNTY OR PARISH

**Utah Co. Utah**

13. STATE

14. PERMIT NO. **43-047-32008** DATE ISSUED **4/18/91**

15. DATE SPUNDED **5/3/91** 16. DATE T.D. REACHED **5/12/91** 17. DATE COMPL. (Ready to prod.) **8/17/91**

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **KB: 5063' GL: 5049'** 19. ELEV. CASINGHEAD **5049'**

20. TOTAL DEPTH, MD & TVD **7000'** 21. PLUG. BACK T.D., MD & TVD **6802'** 22. IF MULTIPLE COMPL. HOW MANY\* **(1) single**

23. INTERVALS DRILLED BY **Rotary** ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**5272-5290' (18') 4 jspf, 75 shots GRAY**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**DLL-GR, FDC-CNL-GR-CAL CBL-CL-GR Temp. MUD LOG 5-20-91**

27. WAS WELL CORED  
**NO**

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"	J55 24#	309'	12 1/4"	225 SX "G"	
5 1/2"	J55 15#, 17#	7050'	7 7/8"	425 sx "lite" tailed w/ 350 sx "G".	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5354'	Anchor set @ 5321'

31. PERFORATION RECORD (Interval, size and number)  
**5272-5290' 75 Shots (4 jspf)  
Broke Dn perfs using 2# KCl & Ball sealers  
Broke @ 1800# at 7 BPM  
ISIP: 650# (Frac Gradient 0.55)**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5272-90'	Frac 308,000# 16/30 50 BPM @ 1525#

33.\* PRODUCTION

DATE FIRST PRODUCTION **8/17/91** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Pumping E-42 Ajax** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST **8/24/91** HOURS TESTED **24 HRS** CHOKER SIZE \_\_\_\_\_ PROD'N. FOR TEST PERIOD **72 BOPD** OIL—BBL. **Est 60 MCF/D** GAS—MCF. **8 BLWPD** WATER—BBL. \_\_\_\_\_ GAS-OIL RATIO \_\_\_\_\_

FLOW. TUBING PRESS. \_\_\_\_\_ CASING PRESSURE \_\_\_\_\_ CALCULATED 24-HOUR RATE **72 BOPD** OIL—BBL. **60 Estimated** GAS—MCF. **8 BLWPD** WATER—BBL. \_\_\_\_\_ OIL GRAVITY-API (CORR.) **NA**

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Lease use and vented. Gas test and Oil Gravity tst to follow.** TEST WITNESSED BY **Joe Duncan**

35. LIST OF ATTACHMENTS  
**Completion reports 8/10/91 thru 8/18/1991.**

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

SIGNED  TITLE **James P. Ryder Operations Mgr.** DATE **Sept 10, 1991**

(See Instructions and Spaces for Additional Data on Reverse Side)

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);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Uinta	1780' 1500'	1800' 1570'	Water Water	Uinta Green River	Surface 1810'	+5049' +3253'
Green Rvr. Green Rvr.	2800' 3460'	2870' 3660'	Oil Shale Oil Shale	Garden Gulch Black Shale	4110' 5625'	+ 953' - 562'
Green Rvr.	4290'	6320'	Oil/gas	Castle Peak	5907'	- 8'
Colton Mbr	6505'	6885'	Oil/gas	Basal TGR Lime	6320'	-1257'
				Colton	6442'	-1379'
				TD	7000'	-1937'

COMPLETION REPORT

FEDERAL 22-25

SENW Sec 25-T8S-R17E

Uintah County, Utah

Report Time 7:00 A.M.

8-10-91 MIRU Quality Well Service, spot in and RU rig.

CC: \$36,052

CWC: \$40,852

8-11-91 ND WH, NU BOP, RIH w/4 3/4 bit, 5 1/2" csg scraper and 176 jts 2 7/8" tbg to 5727', Displace hole w/ 2% KCL and chemicals, press test csg and BOP to 4000# w/hot oiler, held good, RU swab equip and swab FL dn to 2000', RD swab equip and POOH w/tbg and BHA, SI.

CC: \$1,911

CWC: \$42,763

8-12-91 RU Schlumberger, RIH and perf @ 5272-90' (shot off open hole log), 18' 4SPF, 75 holes, POOH and RD Schlumberger, RIH w/PKR and tbg set @ 5189', test csg w/Smith to 4000#, held good, RU Smith and broke perfs dn w/76 bbls hot water (2% KCL and Additives), perfs broke @ 4600' to 1000#, taking 4BPM, pumped @ 7BPM, 1800#, 146 ball sealers w/some ball action, surge off balls and established rate of 11 BPM @ 3060', ISIP 650, 5 min; 450, 10 min; 440, 15 min; 410, frac gradient of .55, unseat PKR, wipe off balls, POOH, reset PKR @ 5189', test csg to 2000#, held good, swab 7 runs, rec 41 bbls w/good oil & gas show (200' of entry after 1/2 hr. Last run 80% oil, 20% water), SI.

CC: \$21,654

CWC: \$64,417

8-13-91 Csg 0, tbg 400#, RU, swab equip, made 2 runs, 1st run tagged fl @500' (4500' of fl entry overnight), rec 16 bbls of fl (2 runs), RD, swab equip, unseat PKR @ 5188', start to POOH, well blew in after 32 jts out, blew dn, started pulling, pulled 10 jts, well blew in, pump 20 bbls 2% KCL down tbg, finish POOH w/tbg and PKR, RU Smith and fraced perfs @ 5272-90' w/308,000# of 16/30 sand, pumped an avg rate of 50 BPM @ avg press of 1525#, total fl to rec 1780 bbls, started flow back @ 15 GPM for the first 1/2 hr to 30 GPM from 3pm to 7pm, rec 159 bbls, flowed well from 7pm to 7am, rec a total of 907 bbls, fl rec was 99% frac fl w/a trace of oil, fl left to rec 873 bbls.

CC: \$63,870

CWC: \$128,287

8-14-91 7am to 9am well flowed 93 bbls and slowed down so that we could run tbg, RIH w/tbg, tag sand @ 6300', POOH and LD 1000' of tbg, RIH w/NC @ 5354', 1 jt, 4' perforated sub, SN @ 5320', 3 jts, anchor @ 5321' and 160 jts tbg to surface, ND BOP, set anchor w/12,000# tension, RU rod equip, RIH w/1 1/2 pump, cent, weight rod, cent, weight rod, 105 3/4 rods, 10 7/8 rods and shut well in for the night, total fl rec 1000 bbls (frac fl), left to rec 780 bbls.

CC: \$2,069

CWC: \$130,356

8-15-91 Tbg 0, csg 50#, LD polish rod and stuffing box, finish RIH w/7/8 rods (95), 1-8' sub, 1-6' sub, 30' polish rod, space out pump and start pumping @ 11 am, pump quit pumping, re-spaced after rig crew left and tagged pump, started pumping @ 7 pm.

Rod Detail: 2 1/2 x 1 1/2 x 16 pump, 2' cent, 1-weight rod, 2' cent, 1-weight rod, 105- 3/4 rods, 104 7/8 rods, 1-8' sub, 1-6' sub, 1-30' polish rod.

CC: \$1,632

CWC: \$131,988

8-16-91 Pump did not make any production after tagging all night, unseated pump to POOH, rod transfer cylinder broke and couldn't stand back rods. As per Jim Ryder's orders, layed 1/2 of the rods dn in doubles and the rest in singles. RU swab equip, made 23 runs, rec 152 bbls, left FL @ 2200' w/sand at cup changes, tore dn and inspected bottom valve in pump, found a small rock in between cage and ball, FL rec 1140 bbls, left to rec 640 bbls, 12 bbls oil.

CC: \$1,852

CWC: \$133,840

8-17-91 Tbg 110#, csg 90#, RU swab equip, tag fl @ 800', made 3 runs, rec 45 bbls, 50% oil/50% water, PU (2 1/2 x 1 3/4 x 12 x 15 x 15 1/2') pump, RIH w/pump and BHA, space out and seat pump, press check pump to 750#, held good, started pumping @ 1pm, FL rec 1162 bbls, left to rec 618, 35 bbls oil.

CC: \$1,588

CWC: \$135,428

8-18-91 RIG RELEASED.

CC: \$12,231

CWC: \$147,659

FINAL REPORT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Designation and Serial No.

UTU-67845

6. If Indian, Allottee or Tribe Name

NONE

7. If Unit or CA. Agreement Designation

NONE

8. Well Name and No.

FEDERAL 22-25

9. API Well No.

43-047-32008

10. Field and Pool, or Exploratory Area

No. 8 Mile Flat

11. County or Parish, State

UINTAH CO. UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

GREENWOOD HOLDINGS INC. (303) 773-6703

3. Address and Telephone No.

5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1667' FNL 1773' FWL SE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC 25 T8S T17E

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

TYPE OF SUBMISSION

- Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

- Abandonment  
 Recompletion  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other  
 Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

The reserve pit for the subject well has been backfilled, and the fence removed. Produced water will be hauled by Nebecker Trucking to an approved disposal site.

Production is currently 40 BOPD, 1 BWPD.

**RECEIVED**

SEP 16 1991

DIVISION OF  
OIL GAS & MINING

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

Signed

Title

Steve M. Fillingham  
Geologist

Date

Sept 12, 1991

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-1133  
Expires September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
UTU-67845

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
none

8. Well Name and No.

Federal 22-25

9. API Well No.

43-047-32008

10. Field and Pool, or Exploratory Area

Wildcat / Unnamed

11. County or Parish, State

Uintah, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

Greenwood Holdings Inc.

3. Address and Telephone No.

5600 S. Quebec St., Suite 150-C, Englewood, Co. 80111

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1667' FNL 1773' FWL SE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC 25 T8S T17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

Site Facility Diagram.

RECEIVED

SEP 19 1991

DIVISION OF  
OIL GAS & MINING

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

Signed

*James P. [Signature]*

Title

*Operations Manager*

Date

9-17-91

(This space for Federal or State office use)

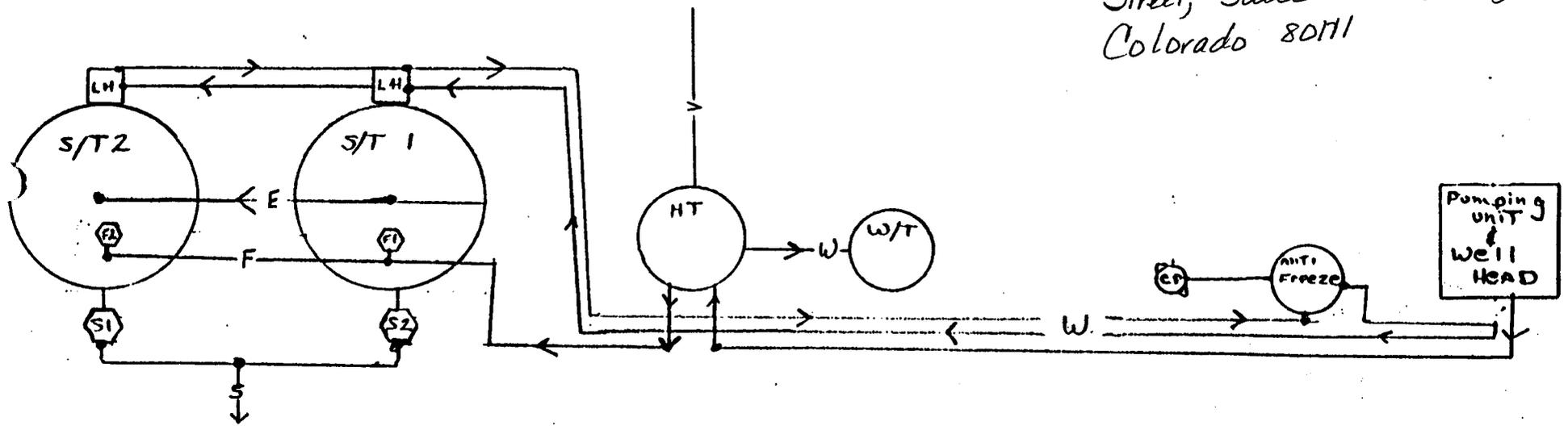
Approved by

Conditions of approval, if any:

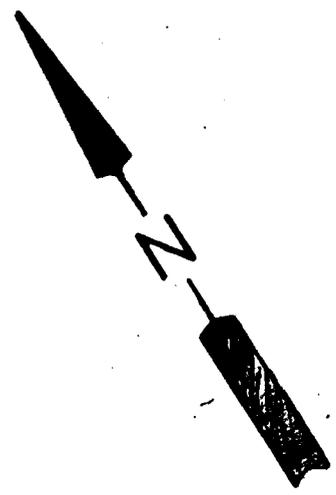
Title

Date

This lease is subject to the site security plan for North-east Utah operations. The plan is located at GREENWOOD Holdings Inc., 5600 S. Quebec Street, Suite 150-C, Englewood, Colorado 80111



Greenwood Holdings Inc.  
Federal 22-25  
SE NW  
SEC 25-T8S-R17E  
Uintah Co, Utah



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

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**GREENWOOD HOLDINGS INC. (303) 773-6703**

3. Address and Telephone No.  
**5600 S. QUEBEC ST., SUITE 150-C, ENGLEWOOD, CO 80111**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1667' FNL 1773' FWL SE $\frac{1}{4}$ NW $\frac{1}{4}$  SEC 25 T8S T17E**

5. Lease Designation and Serial No.  
**UTU-67845**

6. If Indian, Allottee or Tribe Name  
**NONE**

7. If Unit or CA, Agreement Designation  
**NONE**

8. Well Name and No.  
**FEDERAL 22-25**

9. API Well No.  
**43-047-32008**

10. Field and Pool, or Exploratory Area  
**No. 8 Mile Flat**

11. County or Parish, State  
**UINTAH CO. UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

Produced water will be hauled by Nebecker Trucking to an approved disposal site. The site used by Nebecker Trucking is Hansen Disposal Pit located in Section 7, T3S, R3W in Duchesne County, Utah. An alternate site would be the Cresnet Disposal located in Section 32, T1S, R1W in Duchesne County, Utah.

**RECEIVED**

OCT 30 1991

DIVISION OF  
OIL GAS & MINING

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

Signed  Title Steve M. Fillingham Date Oct 28, 1991  
(This space for Federal or State office use) Geologist

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any: \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

July 26, 1993

-- VIA FEDERAL EXPRESS --

Lisha Cordova  
State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

Dear Lisha:

Enclosed are sundry notices requesting approval of the Change of Operator effective August 1, 1993, for the following wells:

Federal #22-25  
SE NW Section 25, T8S, R17E  
Duchesne County, Utah

Federal #1-26  
NE NW Section 26, T8S, R17E  
Duchesne County, Utah

If you have any questions or need further information, please give me a call at (406) 259-7860. Thank you.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

**RECEIVED**

JUL 27 1993

DIVISION OF  
OIL GAS & MINING

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 proposals.

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well  
Footages: 1667' FNL, 1773' FWL  
CO, Sec., T., R., M.: SE NW Section 25, T8S, R17E

5. Lease Designation and Serial Number:

UTU-67845

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

n/a

8. Well Name and Number:

Federal #22-25

9. API Well Number:

43-047-32008

10. Field and Pool, or Wildcat:

Monument Butte/Green River

County: Duchesne

State: UTAH

11. 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.

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.)

Effective August 1, 1993, The operator of this well will be:

Equitable Resources Energy Company, Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

Operations will be taken over from: Greenwood Holdings, Inc.  
5600 So. Quebec Street  
Suite 150-C  
Englewood, CO 80111

RECEIVED

JUL 27 1993

DIVISION OF  
OIL GAS & MINING

13.

Name & Signature:

*Bobbie Schuman*  
Bobbie Schuman

Title:

Coordinator of Environmental  
and Regulatory Affairs

Date: *July 26, 1993*

(This space for State use only)

FORM 8

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 proposals.

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well  
Footages: 1667' FNL, 1773' FWL  
Co. Sec. T.R.M.: SE NW Section 25, T8S, R17E

6. Lease Designation and Serial Number:  
UIU-67845

8. If Indian, Allocated or Tribe Name:  
n/a

7. Unit Agreement Name:  
n/a

9. Well Name and Number:  
Federal #22-25

8. API Well Number:  
43-047-32008

10. Field and Pool, or Wildcat:  
Monument Butte/Green River

County: Duchesne

State: Utah

11. 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 type="checkbox"/> Other _____             |   |

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 checked="" type="checkbox"/> Other <u>Change of operator</u> |   |

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.

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.)

Effective August 1, 1993, the operator of this well will be:

Equitable Resources Energy Company, Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860

Operations were taken over from: Greenwood Holdings Inc.  
2582 So. Tejon Street  
Englewood, CO 80110

13.

Name & Signature:

*Kathy Hawkins*  
Kathy Hawkins

Title:

Greenwood Holdings Inc.  
Accounting Manager

Date: 8/30/93

(This space for State use only)



**PRC**

2582 South Tejon Street  
Englewood, CO 80110  
U.S.A.

Phone: (303) 936-2363  
FAX: (303) 936-3014  
TWX: (910) 933-0184

### FACSIMILE TRANSMITTAL

Page 1 of 3

TO: Lisha Cordova

FAX NO: 801-359-3940

Oil + Gas Dept.

PHONE NO: \_\_\_\_\_

FROM: Julia Foster

DATE: 8/30/93

IF ALL PAGES ARE NOT RECEIVED, PLEASE CALL: \_\_\_\_\_

PHONE NO: (303) 936-2363

Lisha,

Please let me know if the form is not filled out properly. I was unsure whether to use Greenwood or Egitable at top of form.

Thank you -  
*Julia Foster*

OIL AND GAS	
RJF	
FRM	
SLS	
GLN	
DTE	
<del>REC</del>	
MICROFILM	
FILE	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**UTU-67845**

6. If Indian, Allottee or Tribe Name  
**n/a**

7. If Unit or CA, Agreement Designation  
**n/a**

8. Well Name and No.  
**Federal #22-25**

9. API Well No.  
**43 047-32008**

10. Field and Pool, or Exploratory Area  
**Monument Butte/Green River**

11. County or Parish, State  
**Duchesne County, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well    Gas Well    Other

2. Name of Operator  
**Equitable Resources Energy Company, Balcron Oil Division**

3. Address and Telephone No.  
**P.O. Box 21017; Billings, MT 59104   (406) 259-7860**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SE NW Section 25, T8S, R17E  
1667' FNL, 1773' FWL**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>change of operator</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

Effective August 1, 1993, the operator of this well will be:  
**Equitable Resources Energy Company, Balcron Oil Division  
P.O. Box 21017  
Billings, MT 59104  
(406) 259-7860**

Operations will be taken over from: **Greenwood Holdings, Inc.  
5600 So. Quebec Street  
Suite 150-C  
Englewood, CO 80111**

RECEIVED

JUL 27 1993



NOV 26 1993

DEPARTMENT OF  
OIL, GAS & MINING

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

Signed **Bobbie Schuman** Title **Coordinator of Environmental and Regulatory Affairs** Date **July 26, 1993**

(This space for Federal or State Office use)

Approved by **Isi HOWARD B. CLEAVINGER II** Title **ASSISTANT DISTRICT MANAGER MINERALS** Date **NOV 24 1993**

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1- <del>VLC</del> 7-SJ
2- <del>DRS</del> 8-FILE
3-VLC ✓
4-RJF ✓
5-LEC ✓
6-PL ✓

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: 8-1-93)

TO (new operator)	<b>EQUITABLE RESOURCES ENERGY CO</b>	FROM (former operator)	<b>GREENWOOD HOLDING INC</b>
(address)	<b>BALCRON OIL DIV</b>	(address)	<b>2582 S TEJON ST</b>
	<b>PO BOX 21017</b>		<b>ENGLEWOOD, CO 80110</b>
	<b>BILLINGS, MT 59104</b>		<b>KATHY HANKINS</b>
	phone ( <b>406</b> ) <b>259-7860</b>		phone ( <b>303</b> ) <b>936-2363</b>
	account no. <b>N 9890</b>		account no. <b>N 0745</b>

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

Name: <u>FEDERAL 22-25/GRRV</u>	API: <u>43-047-32008</u>	Entity: <u>11226</u>	Sec <u>25</u> Twp <u>8S</u> Rng <u>17E</u>	Lease Type: <u>UTU6784</u>
Name: <u>FEDERAL 1-26/GR-WS</u>	API: <u>43-047-31953</u>	Entity: <u>11227</u>	Sec <u>26</u> Twp <u>8S</u> Rng <u>17E</u>	Lease Type: <u>UTU6784</u>
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**

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Ref. 7/29/93) (Rec'd 8-30-93)*
- See 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 7-27-93)*
- 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: \_\_\_\_\_.
- See 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. *(11-30-93)*
- See 6. Cardex file has been updated for each well listed above. *(11-30-93)*
- See 7. Well file labels have been updated for each well listed above. *(11-30-93)*
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(11-30-93)*
- 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

- lec* 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)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A* 2. A copy of this form has been placed in the new and former operators' bond files.
- lec* 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_.  
Today's date \_\_\_\_\_ 19\_\_\_\_. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, 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.  
*DTS*  
*12/2/93*
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

1. All attachments to this form have been microfilmed. Date: December 7 1993.

FILING

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

COMMENTS

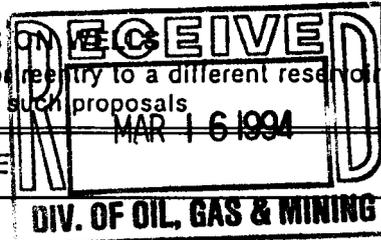
931130 Btm/Vernal Approved 11-24-93.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT—" for such proposals



SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
 Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.  
 P.O. Box 21017; Billings, MT 59103    (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SE NW Section 25, T8S, R17E  
 1667' FNL, 1773' FWL

5. Lease Designation and Serial No.  
 UTU-67845

6. If Indian, Allottee or Tribe Name  
 n/a

7. If Unit or CA, Agreement Designation  
 n/a

8. Well Name and No.  
 Federal #22-25

9. API Well No.  
 43-047-32008

10. Field and Pool, or Exploratory Area  
 Monument Butte/Green River

11. County or Parish, State  
 Uintah  
 Duchesne County, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent <input checked="" type="checkbox"/> Subsequent Report <input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Abandonment <input type="checkbox"/> Recompletion <input type="checkbox"/> Plugging Back <input type="checkbox"/> Casing Repair <input type="checkbox"/> Altering Casing <input checked="" type="checkbox"/> Other <u>site security diagram</u>
	<input type="checkbox"/> Change of Plans <input type="checkbox"/> New Construction <input type="checkbox"/> Non-Routine Fracturing <input type="checkbox"/> Water Shut-Off <input type="checkbox"/> Conversion to Injection <input type="checkbox"/> Dispose Water <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. 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.)\*

Attached is our revised site security diagram for this well.

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

Signed Bobbie Schuman Title Coordinator of Environmental and Regulatory Affairs Date March 13, 1994

(This space for Federal or State Office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

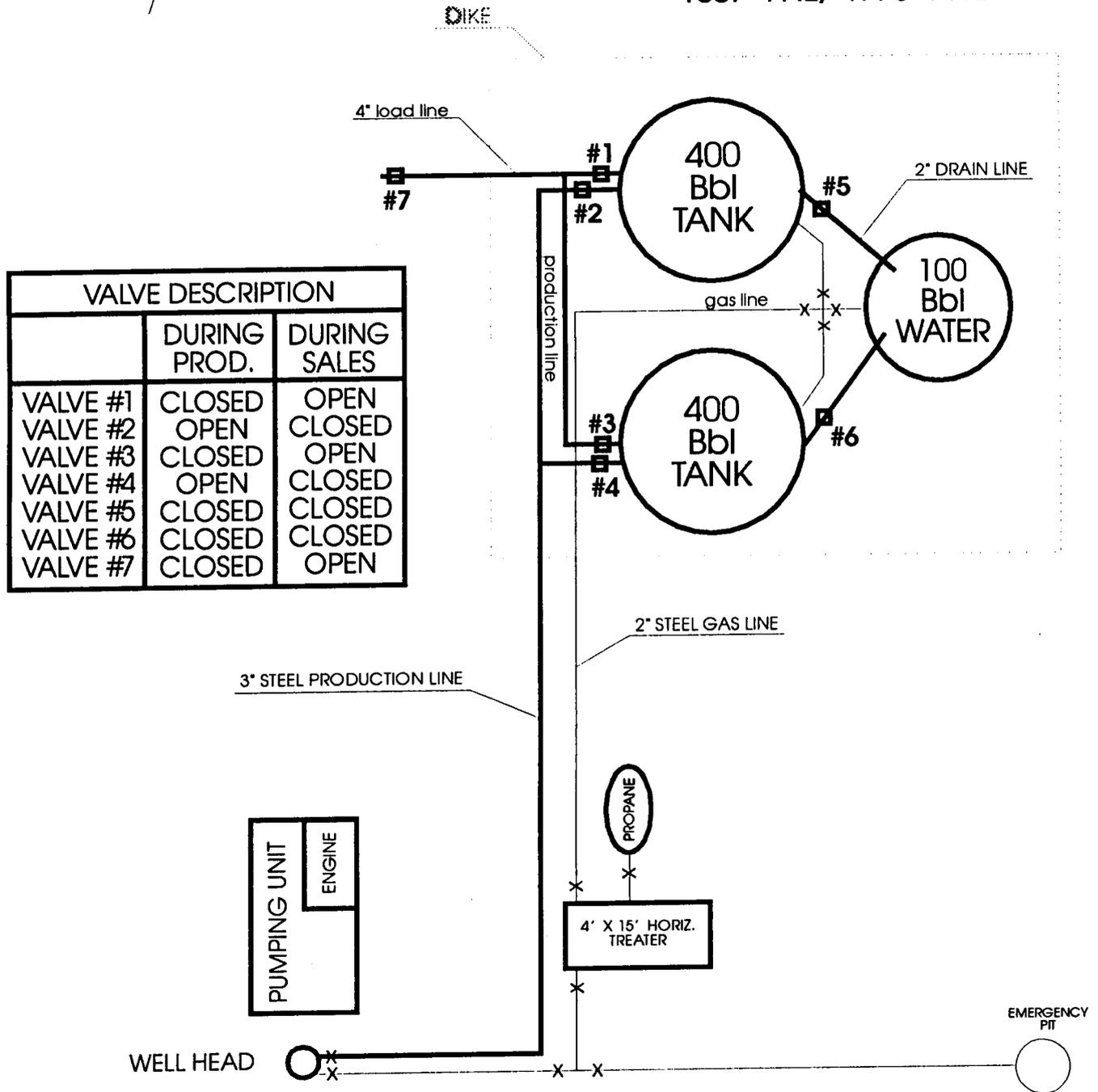
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# Equitable Resources Energy Company Federal 22-25 Production Facility Diagram

Federal 22-25  
SE NW Sec. 25, T8S, R17E  
Duchesne County, Utah  
Federal Lease #UTU-67845  
1667' FNL, 1773' FWL



Uintah



VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

3/94

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
MAR 2 1995

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. Lease Designation and Serial No. **UTU-67845**  
 6. If Indian, Allottee or Tribe Name **n/a**  
 7. If Unit or CA, Agreement Designation **n/a**  
 8. Well Name and No. **Federal #22-25**  
 9. API Well No. **43-047-32008**  
 10. Field and Pool, or Exploratory Area **Monument Butte/Green River**  
 11. County or Parish, State **Uintah County, UTAH**

SUBMIT IN TRIPLICATE

1. Type of Well  
 Oil Well  Gas Well  Other  
 2. Name of Operator  
**Equitable Resources Energy Company, Balcron Oil Division**  
 3. Address and Telephone No.  
**1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860**  
 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SE NW Section 25, T8S, R17E  
 1667' FNL, 1773' FWL**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

Additional perfs were added to the Green River zone in this well as noted in the attached report.

ORIGINAL: Bureau of Land Management, Vernal District  
 COPY: Utah Division of Oil, Gas and Mining

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

Signed *Dobbie Schuman* Title Regulatory and Environmental Specialist Date March 20, 1995

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

**ATTACHMENT TO SUNDRY NOTICE**  
**REPORT OF WORK DONE TO RECOMPLETE**  
**THE FEDERAL #22-25**  
**Location: SE NW Section 25, T8S, R17E**  
**Uintah County, Utah**

Additional perforations were added to the Green River formation in this well as follows:

- 2-8-95 RU Schlumberger & perf 6014'-25' (7 holes) & 6150'-54' (4 holes). Could not pull guns above 4867', pumped 150 bbls down csg w/hot oil truck. Pump 200 bbls of water down casing w/rig. Pump @ 6 bpm rate. Could not pull gun free. Pull out of rope socket, RD Schlumberger. TIH w/4-1/2" x 2-5/16" overshot, bumper sub, 2-7/8" IFX 2-7/8" cross-over & 201 jts 2-7/8" tubing to fish perforating gun. Tagged fish @ 4870' KB, pushed fish to 6497'. TOOH w/200 jts 2-7/8" tbg, bumper sub, overshot & perforating gun. Hydro-test in hole w/RBP, retrieving tools, 2-3/8" x 6' sub, HD packer, 2-7/8" SN, & 39 jts 2-7/8" tubing. 755 BLWTR.
- 2-10-95 RU Western to break down 6150'-54 (4 holes) w/2310 gals 2% KCL wtr. ATP 2500 psi, max 5780 psi. ATR 3.8 bpm, max 4.5 bpm. ISIP 1650 psi. Pump 2 balls/bbl. Reset packer @ 5692', EOT @ 5704. RU to frac 6014'-25' & 6150'-54' w/46,660# 20/40 mesh sand & 47,900# 16/30 mesh sand w/25,872 gals 2% KCL gelled water. ATP 5000 psi, max 5200 psi. ATR 21 bpm, max 22.3 bpm. ISIP 1800 psi, 5 min 1580 psi, 10 min 1500 psi, 15 min 1460 psi. Eliminate 7# stage, increased 6# stage to 51,823#.
- 2-20-95 Packer @ 5230' KB. RU Western to do break down w/2500 gals 15% HCL & 2,646 gals 2% KCL water. ATP 1600 psi, max 1970 psi. ATR 4.7 bpm max 4.8 bpm. ISIP 1150 psi, 5 min 820 psi, 10 min 690 psi, 15 min 590 psi.
- 2/23/95 Start well pumping.



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

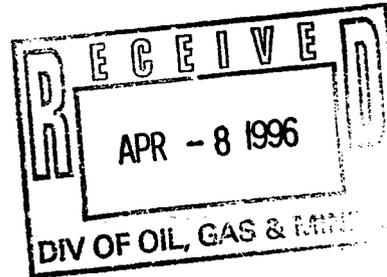
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365   
FAX: (406) 245-1361

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

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 proposals.

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

1. Type of Well: OIL  GAS  OTHER: See attached listing

8. Well Name and Number:  
See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

9. API Well Number:  
See attached listing

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

10. Field and Pool, or Wildcat:  
See attached listing

4. Location of Well  
Footages: See attached listing  
QQ, Sec., T., R., M.:

County: See attached list  
State: UTAH

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

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

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

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

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

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Operator name change
- New Construction
- Pull or Alter Casing
- Reperforate
- 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 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.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LEW 7-SJ	✓
2-D758-FILE	✓
3-VLD/GTI	✓
4-RJE	✓
5-LEW	✓
6-FILM	✓

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: 4-1-96 )

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone <u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

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

Name: <b>**SEE ATTACHED**</b>	API: <u>D47-32008</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: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 4-4-96 & 4-8-96)*
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- 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: \_\_\_\_\_.
- \* 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.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ *(4-10-96)*
- Yes 6. Cardex file has been updated for each well listed above. *(4-11-96)*
- Yes 7. Well file labels have been updated for each well listed above. *(4-11-96)*
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(4-10-96)*
- Yes 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**

- Y 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)**

# 5578314 (\$80,000) Secco Ins. Co. (Bond Rider In Progress)

- Y 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.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_ . Today's date \_\_\_\_\_ 19\_\_\_\_ . If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_ .

**LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY**

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_ , 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.
- 4/20/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
Sent to Ed Bonner - Trust Lands

**FILMING**

- Y 1. All attachments to this form have been microfilmed. Date: May 20 1996.

**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**

9/20/10 Blm/BIA "Formal approval not necessary".

**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:

BALCRON OIL DIVISION  
 EQUITABLE RESOURCES ENERGY  
 1601 LEWIS AVE  
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 3 / 96

AMENDED REPORT  (Highlight Changes)

Well Name API Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ PARIETTE BENCH FED 43-6 4304731616 10280 09S 19E 6	GRRV					
✓ STATE 16-6 4301331145 11195 09S 17E 16						
✓ FEDERAL 22-25 4304732008 11226 08S 17E 25	GRRV					
✓ FEDERAL 1-26 4304731953 11227 08S 17E 26	GR-WS					
✓ C&O GOVT #1 4301315111 11492 09S 16E 12	GRRV					
✓ C & O GOVT #2 01315112 11492 09S 16E 12	GRRV					
✓ ALLEN FEDERAL A-1 4301315780 11492 09S 17E 5	GRRV					
✓ GOATES FED. #1 4301315789 11492 09S 16E 11	GRRV					
✓ BALCRON MONUMENT FEDERAL 13-11J 4301315790 11492 09S 16E 11	GRRV					
✓ GOATES FED #3 4301315791 11492 09S 16E 14	GRRV					
✓ WALTON FEDERAL 1 4301315792 11492 09S 16E 11	GRRV					
✓ WALTON FED. #2 4301315793 11492 09S 16E 14	GRRV					
✓ WALTON FEDERAL 4 4301315795 11492 09S 16E 11	GRRV					
<b>TOTALS</b>						

COMMENTS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge. Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

UTAH

Boll Weevil Federal #26-13	Undesignated	NW SW	26	8S	16E	Duchesne	UT	OTA	Green River	U-34346	43-013-30770	1980' FSL, 660' FWL	Vernal	
C&O Gov't #1	Monument Butte	NW SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-15111	1905' FSL, 660' FWL	Vernal	Jonah
C&O Gov't #2	Monument Butte	NW SE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-15112	1980' FSL, 2080' FEL	Vernal	Jonah
C&O Gov't #4	Monument Butte	NE SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-30742	2140' FSL, 1820' FWL	Vernal	Jonah
Castle Peak Federal #22-15	Monument Butte	SE NW	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30634	2125' FNL, 2006' FWL	Vernal	Jonah
Castle Peak Federal #24-10A	Monument Butte	SE SW	10	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30555	660' FSL, 1980' FWL	Vernal	
Castle Peak Federal #24-15	Monument Butte	SE SE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30631	720' FSL, 2050' FWL	Vernal	Jonah
Castle Peak Federal #31-15	Monument Butte	NW NE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30613	548' FNL, 2062' FEL	Vernal	Jonah
Castle Peak Federal #33-15	Monument Butte	NW SE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30632	2341' FSL, 1790' FEL	Vernal	Jonah
Castle Peak Federal #42-15	Monument Butte	SE NE	15	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30633	1820' FNL, 820' FEL	Vernal	Jonah
Castle Peak Federal #44-10	Monument Butte	SE SE	10	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30630	557' FSL, 667' FEL	Vernal	Jonah
Castle Peak State #43-16	Monument Butte	NE SE	16	9S	16E	Duchesne	UT	Oil	Green River	U-017985	43-013-30594	1820' FSL, 820' FEL	Vernal	Castle Peak
Chomey Federal #1-9	Pariette Bench	SE SW	9	9S	19E	Uintah	UT	OSI	Green River	U-5843	43-047-30070	660' FSL, 1980' FWL	Vernal	
Cobra Federal #42-35	Wildcat	SE NE	35	15S	19W	Millard	UT	PND	Paleozoic	UTU-66504		1600' FNL, 660' FEL	Fillmore	
Coyote Basin #1-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-58226	43-047-20221	1830' FSL, 1980' FWL	Vernal	Coyote Basin
Coyote Basin #32-6	Coyote Basin	SW NE	6	8S	25E	Uintah	UT	WTR	Green River	U-20309-D	43-047-31835	1900' FNL, 2200' FEL	Vernal	Coyote Basin
Coyote Basin Federal #12-13	Coyote Basin	SW NW	13	8S	24E	Uintah	UT	Oil	Green River	U-018073	43-047-31266	2098' FNL, 689' FWL	Vernal	Coyote Basin
Coyote Basin Federal #21-7	Coyote Basin	NE NW	7	8S	25E	Uintah	UT	Oil	Green River	U-41377	43-047-31673	591' FNL, 1858' FWL	Vernal	Coyote Basin
Coyote Basin Federal #43-12	Coyote Basin	NE SE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-30943	2140' FSL, 820' FEL	Vernal	Coyote Basin
D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 865' FWL		Beluga
DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (SI)	Green River	U-44430	43-013-30689		Vernal	Beluga
East Red Wash Federal #1-12	Coyote Basin	SW NE	12	8S	24E	Uintah	UT	Oil	Green River	U-038797	43-047-20207	1980' FNL, 1980' FEL	Vernal	Coyote Basin
East Red Wash Federal #1-13	Coyote Basin	NE NW	13	8S	24E	Uintah	UT	Oil	Green River	U-018073	43-047-20222	660' FNL, 1980' FWL	Vernal	Coyote Basin
East Red Wash Federal #1-5	Coyote Basin	SE NW	5	8S	25E	Uintah	UT	Oil	Green River	U-063597-A	43-047-20174	1989' FNL, 2105' FWL	Vernal	Coyote Basin
East Red Wash Federal #1-6	Coyote Basin	SE NE	6	8S	25E	Uintah	UT	Oil	Green River	U-017439-B	43-047-20208	1980' FSL, 660' FEL	Vernal	Coyote Basin
East Red Wash Federal #2-5	Coyote Basin	NW NW	5	8S	25E	Uintah	UT	OTA	Green River	U-063597-A	43-047-20252	800' FNL, 525' FWL	Vernal	Coyote Basin
East Red Wash Federal #4-6	Coyote Basin	SW SE	6	8S	25E	Uintah	UT	WIW	Green River	U-20309-D	43-047-20261	660' FSL, 1980' FEL	Vernal	Coyote Basin
Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2186' FEL	Vernal	Beluga
Federal #1-26	Monument Butte	NE NW	26	8S	17E	Uintah	UT	Oil	Green River	UTU-67845	43-047-31953	461' FNL, 1880' FWL	Vernal	
Federal #13-13	Coyote Basin	NW SW	13	8S	24E	Uintah	UT	Oil	Green River	U-67208	43-047-32196	1976' FSL, 598' FWL	Vernal	Coyote Basin
Federal #14-4	Coyote Basin	SW SW	4	8S	25E	Uintah	UT	Oil	Green River	UTU-41376	43-047-15678	510' FSL, 660' FWL	Vernal	Coyote Basin
Federal #2-1	Monument Butte	NE NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-30603	784' FNL, 812' FEL	Vernal	Jonah
Federal #22-25	Monument Butte	SE NW	25	8S	17E	Uintah	UT	Oil	Green River	UTU-67845	43-047-32008	1667' FNL, 1773' FWL	Vernal	
Getty #12-1	Monument Butte	NW NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426	43-013-30889	501' FNL, 2012' FEL	Vernal	Jonah
Getty #7-A	Monument Butte	NE NE	7	9S	17E	Duchesne	UT	Oil	Green River	U-44426	43-013-30926	761' FNL, 664' FEL	Vernal	Jonah

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 proposals.

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

QQ, Sec., T., R., M.:

County:

State:

RECEIVED  
OCT 13 1997

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

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

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

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

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

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

Date of work completion 9-30-97

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.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

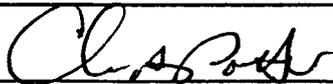
Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:



**CHRIS A. POTTER, ATTORNEY-IN-FACT**

Date:

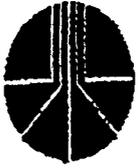
9/30/97

(This space for State use only)



INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ HENDEL FEDERAL #1-17	NENW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30059-00	UTU017991	
✓ HENDEL FEDERAL #3-17	SWNW 179S 19E	UINTA	UT	PARIETTE BENCH	43-047-30074-00	UTU017991	
PARIETTE BENCH #4 (SWD)	SWSE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15681-00	UTU017992	8910069630
✓ PARIETTE BENCH FEDER #14-5	SWSW 5 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31123-00	UTU017992	
✓ PARIETTE BENCH FEDER #41-7	NENE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31584-00		8910069630
✓ PARIETTE BENCH FEDER #32-6	SWNE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31554-00	UTU50385	
✓ PARIETTE BENCH FEDER #43-6	NESE 6 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-31616-00	UTU017992	
✓ PARIETTE BENCH UNIT #2	SWNE 7 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-15680-00		8910069630
✓ <del>FEDERAL #22-25</del>	SE NW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32008-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED #24-25</del>	SE SW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32669-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED #34-25</del>	SW SE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32670-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED. #21-25</del>	NENW 258S 17E	DUCHESNE	UT	UNDESIGNATED (H)	43-047-32528-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED. #12-25</del>	SWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32526-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED. #23-25</del>	NESW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32529-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED. #31-25</del>	NWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32530-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED. #32-25</del>	SWNE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32524-00	UTU67845	UTU76189X
✓ <del>MONUMENT BUTTE FED. #33-25</del>	NWSE 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32525-00	UTU67845	UTU76189X
✓ <del>MONUMENT FEDERAL #11-25</del>	NWNW 258S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32455-00	UTU67845	UTU76189X
✓ <del>PARIETTE DRAW FED. #8-23</del>	SE NE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32676-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #9-23</del>	NESE 238S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-31543-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #12-24</del>	SWNW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32713-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #13-24</del>	NWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32546-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #14-24</del>	SWSW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32645-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #23-24-8-17</del>	NE SW 248S 17E	UINTAH	UT	MONUMENT BUTTE (H)	43-047-32710-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #24-24</del>	SESW 248S 17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32646-00	UTU45431	UTU76189X
✓ <del>PARIETTE FEDERAL #34-24</del>	SWSE 248S R17E	UINTAH	UT	UNDESIGNATED (H)	43-047-32506-00	UTU45431	UTU76189X



# EQUITABLE RESOURCES ENERGY COMPANY

**WESTERN REGION**

**(406) 259-7860 Telephone**

**(406) 245-1361 Fax**

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

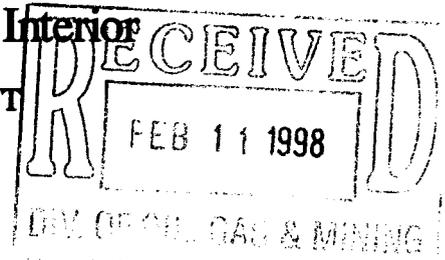
Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Call if you need anything  
further.



United States Department of the Interior

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



IN REPLY REFER TO  
UT-931

February 10, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Humpback (Green River) Unit  
Uintah County, Utah

Gentlemen:

On February 10, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Humpback (Green River) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 10, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Humpback (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Humpback (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Humpback (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron

U-931:TAThompson:tt:2/10/98

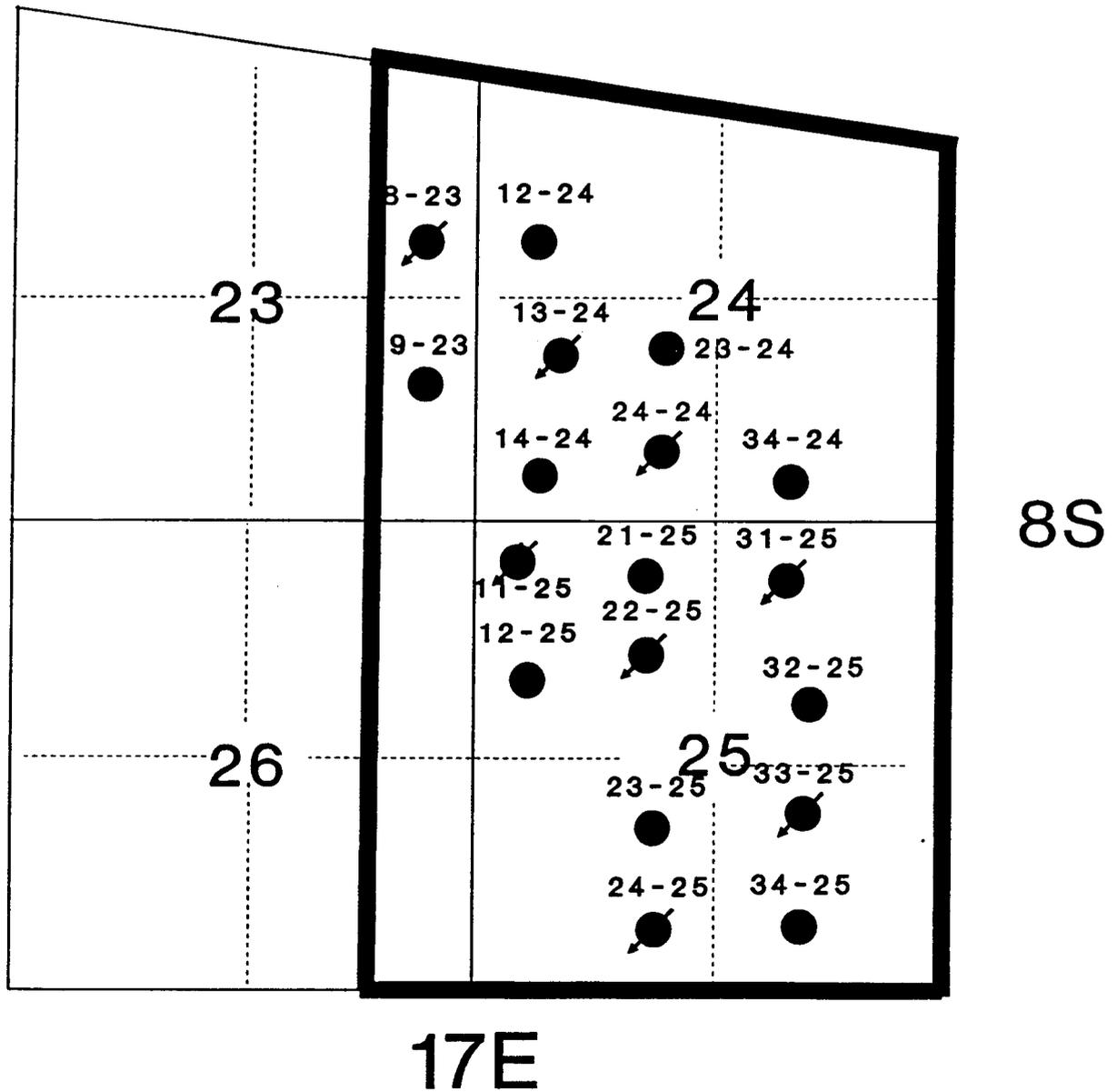
Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU76189X								
UTU67845	4304732455	11-25	NWNW	25	T	8S	R17E OSI	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732713	12-24	SWNW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732526	12-25	SWNW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732645	14-24	SWSW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732528	21-25	NENW	25	T	8S	R17E OSI	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732008	22-25 FEDERAL	SENW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732529	23-25	NESW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732646	24-24	SESW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732669	24-25	SESW	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732530	31-25 FEDERAL	NWNE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732524	32-25 MONUMENT BUTTE	SWNE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732525	33-25	NWSE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732506	34-24	SWSE	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU67845	4304732670	34-25	SWSE	25	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304731543	9-23 PARIETTE DRAW	NESE	23	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732676	PARIETTE DRAW 8-23	SENE	23	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732546	PARIETTE FED 13-24	NWSW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU45431	4304732710	PARIETTE FED 23-24	NESW	24	T	8S	R17E POW	EQUITABLE RESOURCES ENERGY CO

# HUMPBACK (GREEN RIVER) UNIT

## Uintah County, Utah

EFFECTIVE: JANUARY 1, 1997



— UNIT OUTLINE (UTU76189X)

1,468.47 ACRES

SECONDARY  
ALLOCATION  
FEDERAL 100.00%

**OPERATOR CHANGE WORKSHEET**

Routing	
1-LEC ✓	6- <del>SI</del> ✓
2-GLH ✓	7-KAS ✓
3-DTS ✓	8-SI ✓
4-VLD ✓	9-FILE ✓
5-JRB ✓	

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: 9-30-97

<b>TO:</b> (new operator)	<u>INLAND PRODUCTION COMPANY</u>	<b>FROM:</b> (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G SVS'S</u>
	Phone: <u>(435)722-5103</u>		Phone: <u>(406)628-4164</u>
	Account no. <u>N5160</u>		Account no. <u>N9890</u>

**WELL(S)** attach additional page if needed:

**HUMPBAC (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-047-32008</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

**OPERATOR CHANGE DOCUMENTATION**

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 10-13-97)*
3. **The Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
5. Changes have been entered in the **Oil and Gas Information System (3270)** for each well listed above. *(2-13-98)*
6. **Cardex** file has been updated for each well listed above. *(2-18-98)*
7. **Well file labels** have been updated for each well listed above. *(2-18-98)*
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(2-13-98)*
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**

- See* 1. (r649-8-7) 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.  
*12053 previously assigned "Humpback (GP) Unit".*
- N/A* 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A*  
*See* 1. (r649-3-1) 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 operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)     , as of today's date     . If yes, division response was made to this request by letter dated     .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

1. Copies of documents have been sent on      to      at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated      19     , of their responsibility to notify all interest owners of this change.

**FILMING**

- ✓* 1. All attachments to this form have been microfilmed. Today's date: 3.20.98.

**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 are now being filed in the Operator Change file.

**COMMENTS**

980211 BLM/SL Aprv. eff. 2-10-98.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER:           N9890          

REPORT PERIOD (MONTH/YEAR):           12 / 97          

AMENDED REPORT  (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entry	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 43-7			GRRV					
4301331432	11880	09S 17E 7						
MONUMENT FEDERAL 32-17			GRRV					
4301331465	11880	09S 17E 17						
MONUMENT FEDERAL 41-17			GRRV					
4301331466	11880	09S 17E 17						
MONUMENT STATE 23-16-9-17B			GRRV					
4301331578	11880	09S 17E 16						
MONUMENT FEDERAL 23-17-9-17B			GRRV					
4301331582	11880	09S 17E 17						
PARIETTE DRAW FED 9-23			GRRV			U45431	Humpback (CP)	Unit
4304731543	12053	08S 17E 23						
JERAL 22-25f			GRRV			U67845	"	
4304732008	12053	08S 17E 25						
MONUMENT FEDERAL 11-25			GRRV			U67845	"	
4304732455	12053	08S 17E 25						
PARIETTE FEDERAL 34-24			GRRV			U45431	"	
4304732506	12053	08S 17E 24						
MONUMENT FEDERAL 32-25			GRRV			U67845	"	
4304732524	12053	08S 17E 25						
BALCRON MONUMENT FEDERAL 33-25			GRRV			U67845	"	
4304732525	12053	08S 17E 25						
MONUMENT FEDERAL 12-25			GRRV			"	"	
4304732526	12053	08S 17E 25						
BALCRON MONUMENT FEDERAL 21-25			GRRV			"	"	
4304732528	12053	08S 17E 25						
<b>TOTALS</b>								

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

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

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.  
**UTU-67845**

6. If Indian, Allottee or Tribe Name  
**NA**

7. If Unit or CA, Agreement Designation  
**HUMBACK (GR RVR)**

8. Well Name and No.  
**FEDERAL 22-25**

9. API Well No.  
**43-047-32008**

10. Field and Pool, or Exploratory Area  
**PARIETTE DRAW**

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.  
**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)  
**1667 FNL 1773 FWL                      SE/NW Section 25, T08S R17E**

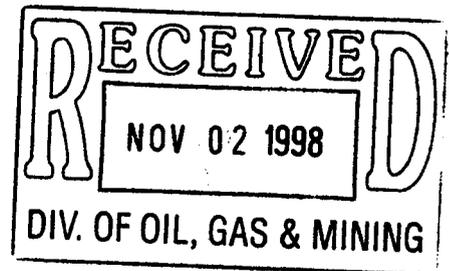
12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Site Security</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

Attached please find the site security diagram for the above referenced well.



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

Signed Debbie E. Knight Title Manager, Regulatory Compliance Date 10/30/98

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

**CC: UTAH DOGM**

# Inland Production Company Site Facility Diagram

Monument Federal 22-25

SE/NW Sec. 25, T8S, 17E

Uintah County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

**Production Phase:**

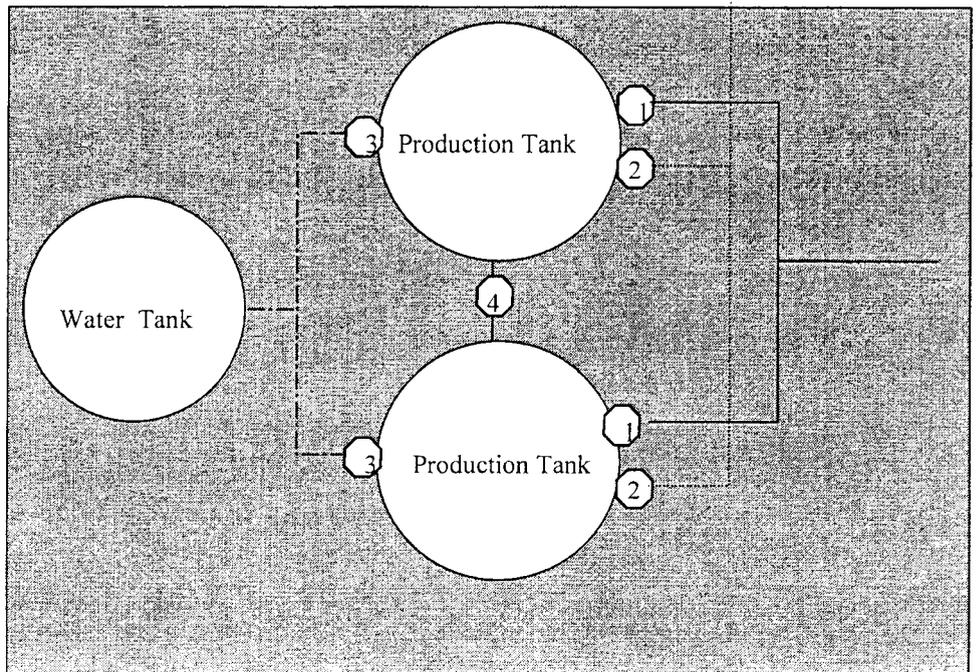
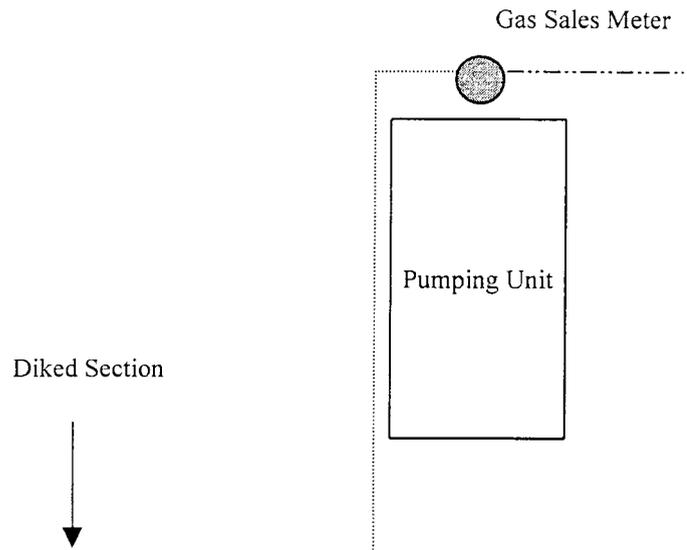
- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

**Sales Phase:**

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

**Draining Phase:**

- 1) Valve 3 open



Emulsion Line	.....
Load Line	————
Water Line	- - - - -
Gas Sales	- · - · - ·

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well     Gas Well     Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**1667 FNL 1773 FWL SE/NW Section 25, T8S R17E**

5. Lease Designation and Serial No.

**UTU-67845**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**HUMPBACK (GR RVR)**

8. Well Name and No.

**FEDERAL 22-25**

9. API Well No.

**43-047-32008**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION

Notice of Intent  
 Subsequent Report  
 Final Abandonment Notice

TYPE OF ACTION

Abandonment  
 Recompletion *Reperf*  
 Plugging Back  
 Casing Repair  
 Altering Casing  
 Other \_\_\_\_\_

Change of Plans  
 New Construction  
 Non-Routine Fracturing  
 Water Shut-Off  
 Conversion to Injection  
 Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)\*

Subject well had recompletion procedures initiated in the Green River formation on 5/28/02. Existing production equipment was pulled from well. A bit & scraper was ran in well. Four new intervals were perforated and hydraulically fracture treated as follows: Stage #1: CP 5 sands @ 6241'-6251' (4 JSPF) fraced down 2 7/8 N-80 tbg W/ 30,000# 20/40 mesh sand in 235 bbls Viking I-25 fluid. Stage #2: A3 sands @ 5664-5671' (4 JSPF) fraced down 2 7/8 N-80 tbg W/ 10,351# 20/40 mesh sand in 99 bbls Viking I-25 fluid (screened out W/ approx. 3,284# sd in formation). Stage #3: B .5 sands @ 5356'-5362' (4 JSPF) and lower C sands @ 5298'-5319' (4 JSPF) fraced along with existing perfs 5272'-5290' down 2 7/8 N-80 tbg W/ 103,000# 20/40 mesh sand in 596 bbls Viking I-25 fluid. Stage #4: PB7 sands @ 4741'-4744' (4 JSPF), GB6 sands @ 4664'-4672' & 4652'-4660' (4 JSPF) and GB4 sands @ 4566'-4576' (4 JSPF) fraced down 5 1/2" 15.5# casing W/ 87,500# 20/40 mesh sand in 602 bbls Viking I-25 fluid. All fracs were flowed back through chokes. Frac tbg & tools were pulled from well & layed down. Well was cleaned out to 6634'. Zones (new and existing) were swab tested for sand cleanup. A revised BHA & production tbg were ran in well and landed W tubing anchor @ 6193', pump seating nipple @ 6260' and end of tubing string @ 6293'. A repaired red pump and rod string was ran in well. Well returned to production via rod numn on 6/5/2002.

**RECEIVED**  
JUN 10 2002  
DIVISION OF  
OIL, GAS AND MINING

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

Signed Gary Dietz Title Completion Foreman Date 6/6/2002

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

CC: Utah DOGM

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

**Merger**

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

**9/1/2004**

<b>FROM: (Old Operator):</b> N5160-Inland Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721	<b>TO: ( New Operator):</b> N2695-Newfield Production Company Route 3 Box 3630 Myton, UT 84052 Phone: 1-(435) 646-3721
---	--

**CA No.**

**Unit:**

**HUMPBACK (GREEN RIVER)**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
PARIETTE DRAW FED 9-23	23	080S	170E	4304731543	12053	Federal	WI	A
PARIETTE DRAW FED 8-23	23	080S	170E	4304732676	12053	Federal	OW	P
PARIETTE FED 34-24	24	080S	170E	4304732506	12053	Federal	WI	A
PARIETTE FED 13-24	24	080S	170E	4304732546	12053	Federal	OW	P
PARIETTE FED 14-24	24	080S	170E	4304732645	12053	Federal	WI	A
PARIETTE FED 24-24	24	080S	170E	4304732646	12053	Federal	OW	P
PARIETTE FED 23-24	24	080S	170E	4304732710	12053	Federal	WI	A
PARIETTE FED 12-24	24	080S	170E	4304732713	12053	Federal	WI	A
FEDERAL 22-25	25	080S	170E	4304732008	12053	Federal	OW	P
MONUMENT FED 11-25	25	080S	170E	4304732455	12053	Federal	OW	P
MON FED 32-25	25	080S	170E	4304732524	12053	Federal	WI	A
BALCRON MON FED 33-25	25	080S	170E	4304732525	12053	Federal	OW	P
MON FED 12-25	25	080S	170E	4304732526	12053	Federal	WI	A
BALCRON MON FED 21-25	25	080S	170E	4304732528	12053	Federal	WI	A
MONUMENT FED 23-25	25	080S	170E	4304732529	12053	Federal	WI	A
MONUMENT FED 31-25	25	080S	170E	4304732530	12053	Federal	OW	P
BALCRON MON FED 24-25	25	080S	170E	4304732669	12053	Federal	OW	P
BALCRON MON FED 34-25	25	080S	170E	4304732670	12053	Federal	WI	A
HUMPBACK U 1A-26-8-17	26	080S	170E	4304734160	12053	Federal	OW	P
HUMPBACK U 8-26-8-17	26	080S	170E	4304734161	12053	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2004

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/2004

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/2005

4. Is the new operator registered in the State of Utah: YES Business Number: 755627-0143

5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **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 BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The 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: 2/23/2005

**DATA ENTRY:**

- 1. Changes entered in the Oil and Gas Database on: 2/28/2005
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
- 3. Bond information entered in RBDMS on: 2/28/2005
- 4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
- 5. Injection Projects to new operator in RBDMS on: 2/28/2005
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The FORMER operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The FORMER 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: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

#### 1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas

SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

“ARTICLE ONE – The name of the corporation is Newfield Production Company.”

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

**1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>**

Ref: 8P-W-GW

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

**OCT 02 2009**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

RE: Additional Well to Humpback Area Permit  
RTS Required on Injection well  
UIC Permit No. UT20852-00000  
Well ID: UT20852-08497  
Federal 22-25-8-17  
1667' FNL & 1773' FWL  
SENW Sec. 25 T8S-R17E  
Uintah County, Utah  
API #43-047-32008

Dear Mr. Sundberg:

The Newfield Production Company's request to convert the former Green River Formation oil well Federal 22-25-8-17 to an enhanced recovery injection well under the Humpback Area Permit is hereby authorized by the Environmental Protection Agency (EPA) under the terms and conditions of the Authorization for Additional Well.

The addition of the proposed injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Humpback Area Permit No. UT20852-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations into the well until all Prior to Commencing Injection requirements have been submitted and evaluated by the EPA, and has received written authorization from the Director to begin injection. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depths of 4,110 feet and the top of the Wasatch Formation at 6,444 feet.

Prior to receiving authorization to inject, EPA requires that Newfield submit for review and approval: (1) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram, (2) the results of a Part 1 (Internal) mechanical integrity test (MIT), (3) a pore pressure calculation of the injection interval, and (4) the results of a radioactive tracer survey within a 180-day authorization to inject.

The initial Maximum Allowable Injection Pressure (MAIP) for the Federal 22-25-8-17 was determined to be 1,005 psig. UIC Area Permit UT20852-00000 also provides the opportunity for the permittee to request a change in the MAIP based upon results of a step rate test that demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Jason Deardorff at (303) 312-6583 or 1-(800)-227-8917 (Ext. 312-6583). Please submit the required data to Sarah Bahrman at the letterhead address, citing MAIL CODE: 8P-W-GW very prominently.

Sincerely,



Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization for Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Wellbore schematics for Federal 22-25-8-17

cc: Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 8**

**1595 WYNKOOP STREET**

**DENVER, CO 80202-1129**

**Phone 800-227-8917**

**http://www.epa.gov/region08**

**AUTHORIZATION FOR ADDITIONAL WELL**

**UIC Area Permit No: UT20852-00000**

The Humpback Final UIC Area Permit No. UT20852-00000, effective October 8, 1998, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On August 6, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	<b>Federal 22-25-8-17</b>
EPA Well ID Number:	<b>UT 20852-08497</b>
Location:	1667' FNL & 1733' FWL SE NW Sec. 25 T8S-R17E Uintah County, Utah API #43-047-32008

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20852-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20852-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: OCT 02 2009

**Stephen S. Tuber**

\*Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20852-00000  
Well: Federal 22-25-8-17 EPA Well ID: UT20852-08497

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **Federal 22-25-8-17**  
EPA Well ID Number: **UT20852-08497**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*)
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 4,110 feet (ft.) to the top of the Basal Carbonate at a depth of 6,444 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **1,005 psig**, based on the following calculation:

$$\begin{aligned} \text{MAIP} &= [\text{FG} - (0.433)(\text{SG})] * \text{D}, \text{ where} \\ \text{FG} &= 0.66 \text{ psi/ft.} \quad \text{SG} = 1.015 \quad \text{D} = \mathbf{4,566 \text{ ft.}} \text{ (top perforation depth KB)} \\ \text{MAIP} &= \mathbf{1,005 \text{ psig}} \end{aligned}$$

UIC Area Permit No. UT20852-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft. above the top perforation.

**Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with 100 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 3,230 ft. to 3,390 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 160-foot balanced cement plug inside the 5-1/2" casing from approximately 3,230 to 3,390 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,734 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot plug inside the 5-1/2" casing from approximately 1,674-1,794 ft. (KB).

PLUG NO. 4: Perforate the Longstring casing at 359 ft. and circulate cement to surface. Set a Class "G" cement plug within the 5-1/2" casing to 359 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Federal 22-25-8-17**  
EPA Well ID Number: **UT20852-08497**

**Underground Sources of Drinking Water (USDWs):** According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at or near the surface in the Federal 22-25-8-17 well. However, USDWs in the Humpback Area Permit have been found to occur at much deeper depths than in other parts of the Monument Butte Field. USDWs have been encountered as deep as the top of the Wasatch Formation in the Humpback area and the interval between the top of the Garden Gulch member of the Green River Formation and the top of the Wasatch Formation has been aquifer exempted.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well. One surface water right was identified, 47-1560. This water right is owned by the Bureau of Land Management and is for a surface diversion used to supply wildlife habitat. The proposed injection activity, located at a depth of 4,566 ft., will not impact this surface water right.

**Composition of Source, Formation, and Injectate Water:** The (Total Dissolved Solids) TDS content of water produced from the Garden Gulch and Douglas Creek Members of the Green River Formation was determined to be 6,037 mg/l on May 5, 2009. Due to nearby injection activity for the purpose of enhanced oil recovery, this TDS value may not be reflective of the original TDS content of formation waters at or near the Federal 22-25-8-17 well.

The TDS content of injectate was determined to be 1,831 mg/l on January 7, 2009. The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District blended with produced Green River Formation water resulting in a TDS content less than 10,000 mg/l.

**Aquifer Exemption:** An area-wide aquifer exemption issued with the original Humpback Area permit was modified on September 8, 2000 to include the Garden Gulch, Douglas Creek, and Basal Carbonate Members within the 1/4 –mile radius of the Federal 22-25-8-17 well

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is approximately 180 ft. of shale between the depths of 3,930 ft. and 4,110 ft. (KB).

**Injection Zone:** The Injection Zone at this well location is approximately 2,034 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 4,110 ft. (KB) to the top of the Wasatch Formation at a depth of 6,444 ft. (KB).

**Well Construction:** The CBL does not show a sufficient interval of 80% or greater cement bond index in the Confining Zone (3,930 to 4,110 ft. KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8" casing is set at 309 ft. (KB) in a 12-1/4" hole, using 225 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 7,050 ft. (KB) in a 7-7/8" hole secured with 775 sacks of cement. Total driller depth 7,050 ft. Plugged back total depth is 6,802 ft. CBL indicates top of cement to be at 1,540 ft.

**Perforations:** Top perforation: 4,566 ft. (KB)      Bottom perforation: 6,251 ft. (KB)

## AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following three wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Federal 22-25-8-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Federal M-25-8-17                      API: 43-047-39972                      SWNW Sec. 25-T8S-R17E

Well: Mon. Federal 12-25-8-17              API: 43-047-32526                      SWNW Sec. 25-T8S-R17E

Well: Bal. Mon. Federal 21-25-8-17      API: 43-013-32528                      NENW Sec. 25-T8S-R17E

### No Corrective Action Required on AOR wells:

Well: Federal M-25-8-17                      API: 43-047-39972                      SWNW Sec. 25-T8S-R17E  
CBL shows top of cement at 224 ft. and cement coverage across the entire confining zone, from 4,010 – 4,190 ft.

Well: Mon. Federal 12-25-8-17              API: 43-047-32526                      SWNW Sec. 25-T8S-R17E  
CBL shows top of cement at the surface and cement coverage across the entire confining zone, from 3,920 – 4,102 ft.

Well: Bal. Mon. Federal 21-25-8-17      API: 43-013-32528                      NENW Sec. 25-T8S-R17E  
CBL shows top of cement at 1,874 ft. and cement coverage across the entire confining zone, from 3,090 – 4,138 ft.

### Reporting of Noncompliance:

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent

or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the National Response Center (NRC) by phone at 1-(800)-424-8802 or 1-(202)-267-2675, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known to him.

# Federal 22-25-8-17

Spud Date: 5/2/1991  
 Put on Production: 8/17/1991  
 GL: 5049' KB: 5063'

Initial Production: 72 BOPD,  
 60 MCFD, 8 BWPD

## Proposed Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294.05')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 225 sxs regular w/ 3% CCL

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 7036'  
 DEPTH LANDED: 7050'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 425 sk Prem. Lite & 350 sxs regular w/ 2% CCL.  
 CEMENT TOP AT: 1546' per CBL

*Expected Base  
 of lowermost  
 USDW is 50'  
 per Pub. 92*

✓ TOC @ 1546'

*Trona  
 3280'-3314'  
 Mahogany Bench  
 3320'-3340'*

*CZ  
 3930'-4110'*

*CBL shows less  
 than 80% bond across  
 confining zone RTS required  
 to confirm CBL shows  
 adequate cement.*

*Douglas  
 Creek @  
 5069'  
 Castle Peak @  
 5907'*

### FRAC JOB

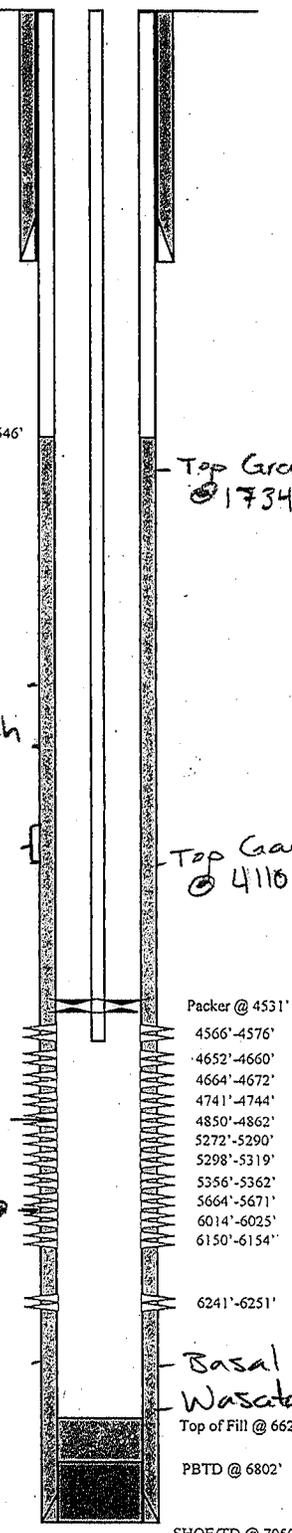
8/13/91	5272'-5290'	Frac as follows: 293,000# 16/30 sand in 1603 bbls frac fluid. Treated @ avg press of 1600 psi w/avg rate of 50 BPM. ISIP 2040 psi.
12/12/91	4850'-4862'	Frac as follows: 28,125# 16/30 sand in 849 bbls frac fluid. Treated @ avg press of 3100 psi w/avg rate of 35 BPM. Screened out.
2/10/95	6014'-6145'	Frac as follows: 46,660# 20/40 & 47,900# 16/30 sand in 616 bbls frac fluid. Treated @ avg press of 5000 psi w/avg rate of 21 BPM. ISIP 1800 psi.
1/23/02		Tubing leak. Update rod and tubing details.
5/30/02	6241'-6251'	Frac CPS sand as follows: 30,000# 20/40 sand in 235 bbls Viking I-25 frac fluid. Treated @ avg press of 3350 psi w/avg rate of 15 BPM. ISIP 1925 psi. Calc. flush: 1565 gal. Actual flush: 1491 gal.
5/31/02	5664'-5671'	Frac A3 sand as follows: 10,351# 20/40 sand in 99 bbls Viking I-25 frac fluid. Treated @ avg press of 3542 psi w/avg rate of 14.5 BPM. Screened out w/ approx. 3248# sand in formation and 7067# sand in casing and tubing.
5/31/02	5272'-5362'	Frac C-sd & B.S sands as follows: 130,000# 20/40 sand in 596 bbls Viking I-25 frac fluid. Treated @ avg press of 4040 psi w/avg rate of 20 BPM. ISIP 2310 psi. Calc. flush: 1339 gal. Actual flush: 1260 gal.
6/01/02	4566'-4744'	Frac GB4, GB6 & PB7 sands as follows: 87,500# 20/40 sand in 602 bbls Viking I-25 frac fluid. Treated @ avg press of 1800 psi w/avg rate of 26.3 BPM. ISIP 2350 psi. Calc. flush: 4566 gal. Actual flush: 4494 gal.
12/29/03		Tubing Leak. Update rod and tubing detail.
07/19/06		Parted rods. Update rod and tubing details.

*Top Green River @ 1734'*

*Top Gardner Gulch @ 4110'*

### PERFORATION RECORD

08/12/91	5272'-5290'	4 JSPP	75 holes
12/10/91	4850'-4862'	4 JSPP	48 holes
02/08/95	6150'-6154'	1 JSPP	04 holes
02/08/95	6014'-6025'	1 JSPP	07 holes
05/29/02	6241'-6251'	4 JSPP	40 holes
05/29/02	5664'-5671'	4 JSPP	28 holes
05/29/02	5356'-5362'	4 JSPP	24 holes
05/29/02	5298'-5319'	4 JSPP	84 holes
05/29/02	4741'-4744'	4 JSPP	12 holes
05/29/02	4664'-4672'	4 JSPP	32 holes
05/29/02	4652'-4660'	4 JSPP	32 holes
05/29/02	4566'-4576'	4 JSPP	40 holes



**NEWFIELD**

Federal 22-25-8-17  
 1667' FNL & 1773' FWL  
 SE/NW Section 25-T8S-R17E  
 Uintah Co, Utah  
 API #43-047-32008; Lease #UTU-67845

Federal 22-25-8-17

Spud Date: 5/2/1991  
 Put on Production: 8/17/1991  
 GL: 5049' KB: 5063'

Initial Production: 72 BOPD,  
 60 MCFD, 8 BWPD

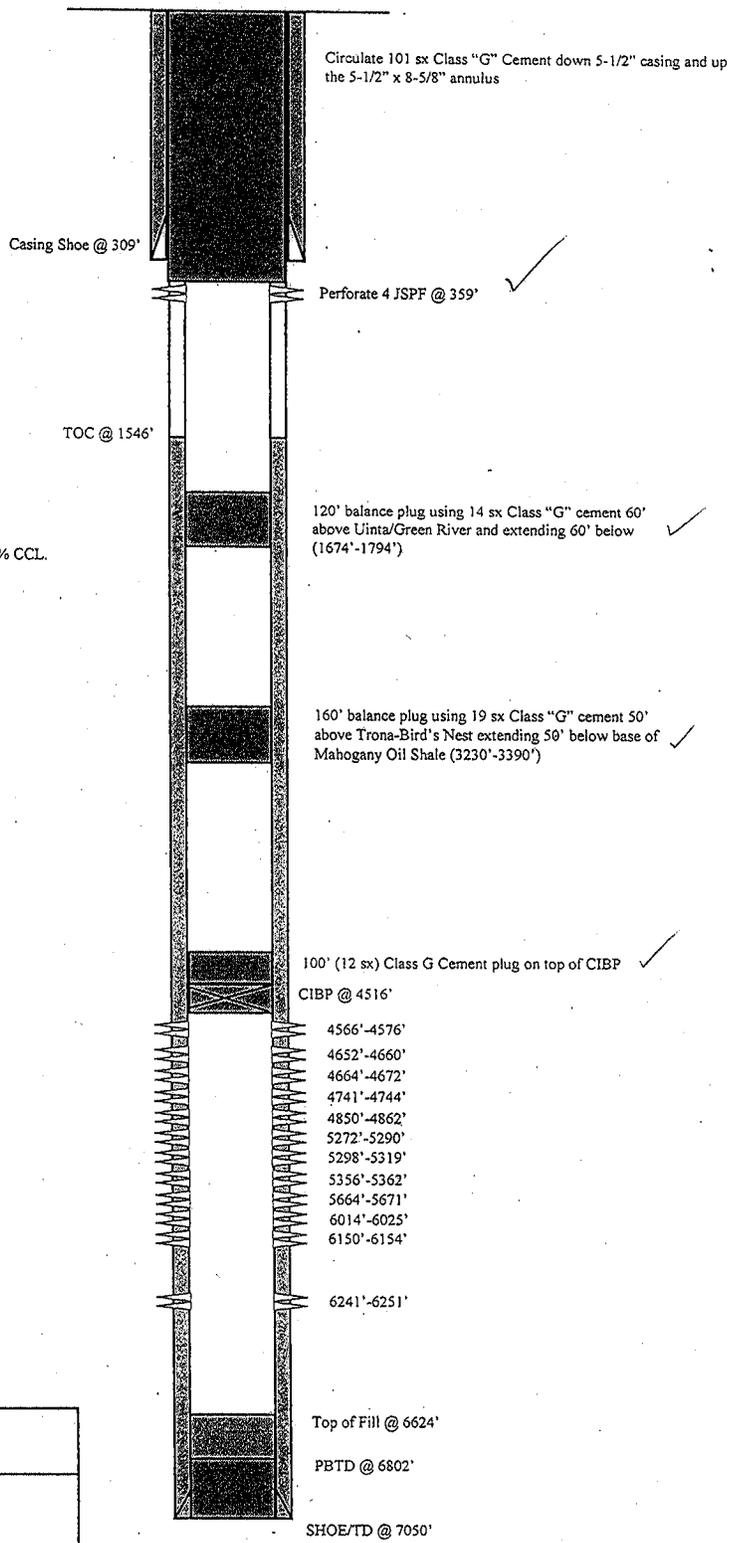
Proposed P & A  
 Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 7 jts. (294.05')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 225 sxs regular w/ 3% CCL

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 WEIGHT: 15.5#  
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 API #43-047-32008; Lease #UTU-67845

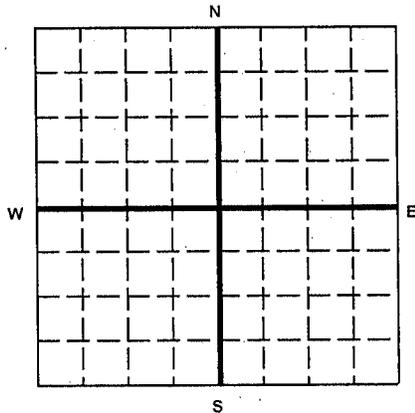


United States Environmental Protection Agency  
Washington, DC 20460

### WELL REWORK RECORD

Name and Address of Permittee	Name and Address of Contractor
-------------------------------	--------------------------------

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number
-------	--------	---------------

Surface Location Description  
 1/4 of  1/4 of  1/4 of  1/4 of Section  Township  Range

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface  
 Location  ft. frm (N/S)  Line of quarter section  
 and  ft. from (E/W)  Line of quarter section.

<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name <input type="text"/>	Total Depth Before Rework <input type="text"/>  Total Depth After Rework <input type="text"/>  Date Rework Commenced <input type="text"/>  Date Rework Completed <input type="text"/>	<b>TYPE OF PERMIT</b> <input type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells <input type="text"/>  Well Number <input type="text"/>
---	---	--

#### WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

#### WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL  
USE ADDITIONAL SHEETS IF NECESSARY

#### WIRE LINE LOGS, LIST EACH TYPE

Log Types	Logged Intervals

#### Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title (Please type or print)	Signature	Date Signed
--	-----------	-------------

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-67845

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:  
GMBU

1. TYPE OF WELL: OIL WELL  GAS WELL  OTHER

8. WELL NAME and NUMBER:  
FEDERAL 22-25

2. NAME OF OPERATOR:  
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:  
4304732008

3. ADDRESS OF OPERATOR:  
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER  
435.646.3721

10. FIELD AND POOL, OR WILDCAT:  
GREATER MB UNIT

4. LOCATION OF WELL:  
FOOTAGES AT SURFACE: 1667 FNL 1773 FWL

COUNTY: UINTAH

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENW, 25, T8S, R17E

STATE: UT

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 _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 05/16/2011	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: -
	<input checked="" 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 subject well has been converted from a producing oil well to an injection well on 05/10/2011.

On 05/03/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/16/2011 the casing was pressured up to 1110 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20852-08497 API# 43-047-32008

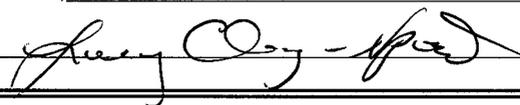
Accepted by the  
Utah Division of  
Oil, Gas and Mining

**FOR RECORD ONLY**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto

TITLE Water Services Technician

SIGNATURE



DATE 05/19/2011

(This space for State use only)

**RECEIVED**

**MAY 25 2011**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.  
USA UTU-67845

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or  
GMBU

8. Well Name and No.  
FEDERAL 22-25

9. API Well No.  
4304732008

10. Field and Pool, or Exploratory Area  
GREATER MB UNIT

11. County or Parish, State  
UINTAH, UT

**SUBMIT IN TRIPLICATE - Other Instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630  
Myton, UT 84052

3b. Phone (include are code)  
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1667 FNL 1773 FWL  
SENW Section 25 T8S R17E

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

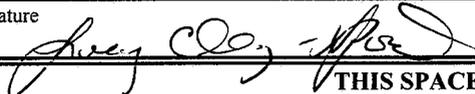
TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

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

The subject well has been converted from a producing oil well to an injection well on 05/10/2011.

On 05/03/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 05/16/2011 the casing was pressured up to 1110 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT20852-08497      API# 43-047-32008

I hereby certify that the foregoing is true and correct (Printed/ Typed) Lucy Chavez-Naupoto	Title Water Services Technician
Signature 	Date 05/19/2011

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

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on page 2)

**RECEIVED**

**MAY 25 2011**

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

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 05 / 16 / 11  
 Test conducted by: Dale Giles  
 Others present: \_\_\_\_\_

Well Name: <u>Federal 22-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SE/NW</u> Sec: <u>25</u> T <u>8</u> N <u>10</u> R <u>17</u> <u>E</u> W County: <u>Uintah</u> State: <u>Ut.</u>		
Operator: <u>Newfield Production Co.</u>		
Last MIT: <u>1</u> / <u>1</u> Maximum Allowable Pressure: _____ PSIG		

Is this a regularly scheduled test?     Yes     No  
 Initial test for permit?                 Yes     No  
 Test after well rework?                  Yes     No  
 Well injecting during test?              Yes     No      If Yes, rate: \_\_\_\_\_ bpd

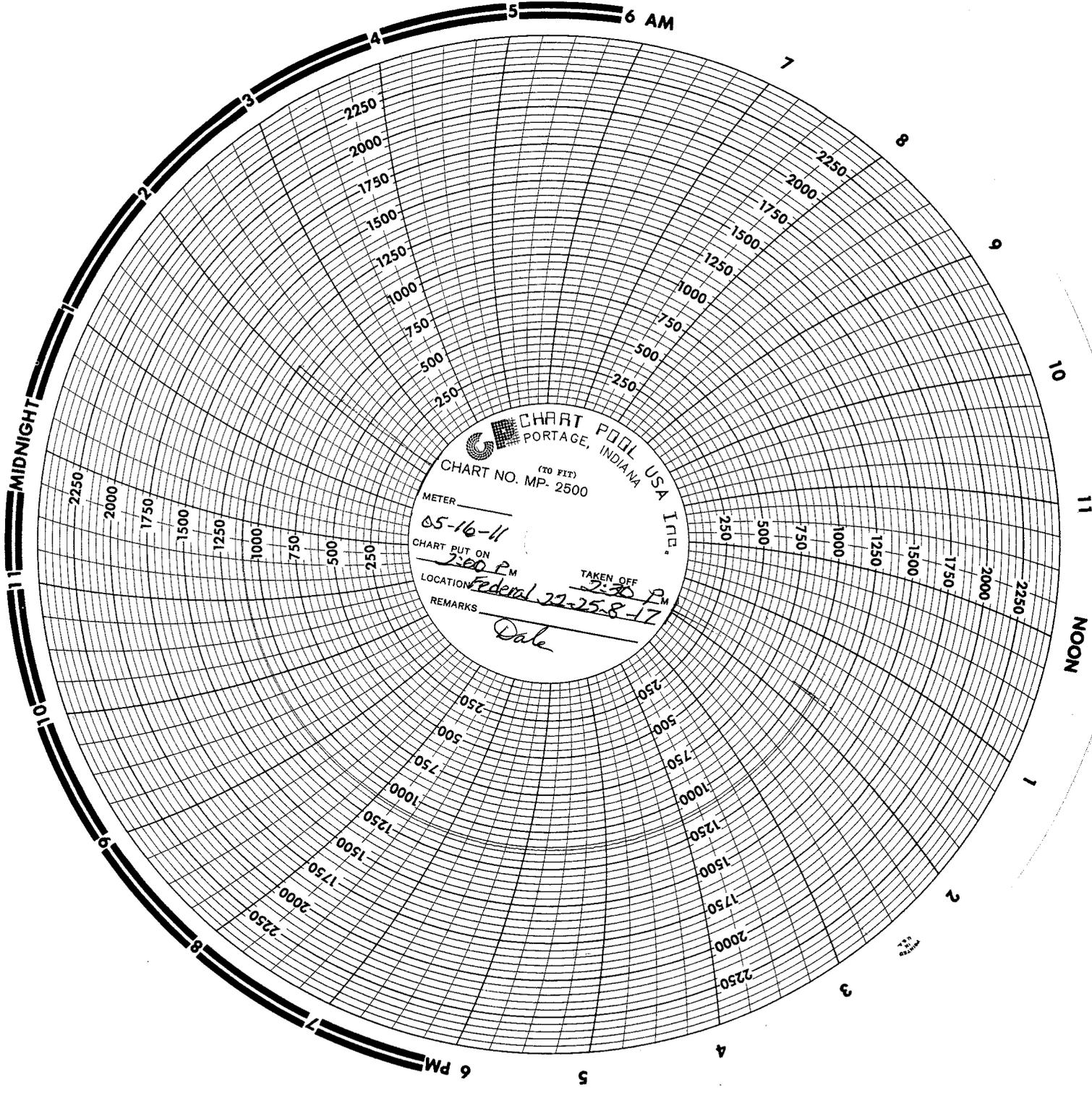
Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1110</u> psig	psig	psig
5 minutes	<u>1110</u> psig	psig	psig
10 minutes	<u>1110</u> psig	psig	psig
15 minutes	<u>1110</u> psig	psig	psig
20 minutes	<u>1110</u> psig	psig	psig
25 minutes	<u>1110</u> psig	psig	psig
30 minutes	<u>1110</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test ?     Yes     No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:



**CHART POOL USA Inc.**  
PORTAGE, INDIANA  
(70 FT)  
CHART NO. MP-2500

METER \_\_\_\_\_  
05-16-11  
CHART PUT ON 2:00 P.M.  
LOCATION Federal  
REMARKS  
TAKEN OFF 2:30 P.M.  
Date

**Daily Activity Report****Format For Sundry****FEDERAL 22-25-8-17****3/1/2011 To 7/30/2011****5/6/2011 Day: 1****Conversion**

NC #2 on 5/6/2011 - MIRUSU, Try To Unseat Rod Pmp, Backoff Rods, POOHG & L/D Rods - 5:30 To 6:00 AM C/Trvl, Move NC #2 From Ashley 8-13-9-15 To The Federal 22-25-8-17, R/U H/Oiler To Csg Pmp 60 Bbls Wtr, MIRUSU, R/D Pmp Unit, Try To Unseat Rod Pmp, Could Not Get Pmp Off Seat, Pmp A Total Of 200 Bbls Wtr Down Csg Trying To Get Pmp Off Seat, Back Off Rods, POOH W/- 1 1/4" x 22' Polished Rod, Pony Subs, 101- 7/8" Guided Rods, 98- 3/4" Plain Rods, 7- 3/4" Guided Rods, R/U H/Oiler To Tbg, Try To Pressure Test To 3,000 Psi, Blew A Hole @ 2,900 Psi, SWI, CSDFN @ 5:30 PM, 5:30 To 6:00 PM C/Trvl.

**Daily Cost: \$0****Cumulative Cost: (\$25,385)****5/9/2011 Day: 2****Conversion**

NC #2 on 5/9/2011 - POOH W/- Tbg String, Back Off Rods Again, L/D Rods - 5:30 To 6:00 AM C/Trvl, R/D Wellhead, R/U Weatherford BOPS, TA Was Not Set, POOH W/- 137- Jts Tbg, Breaking & Doping Collars On TOH, R/U Backoff Tool, Back Off Rods Again, L/D 44- 3/4" Guided Rods, 6- 1 1/2" Wt Bars, Pull Rod Off Of Rod Pmp, L/D 32- Jts Tbg, Found Hole In Jt #129, Flush Tbg W/- 40 Bbls Wtr On TOH, SWI, CSDFN @ 7:00PM, 7:00 To 7:30 PM C/Trvl.

**Daily Cost: \$0****Cumulative Cost: (\$15,058)****5/10/2011 Day: 3****Conversion**

NC #2 on 5/10/2011 - TIH W/- Tbg String, Pressure Test Tbg, R/D BOPS, R/U Wellhead, Pmp Pkr Fluid, Set Pkr, Pressure Test Csg - 5:30 To 6:00 AM C/Trvl, L/D 25 Jts Tbg, L/D Rod Pmp, P/U & TIH W/- Weatherfor Pkr, SN, 137- Jts Tbg, R/U H/Oiler To Tbg, Pmp 20 Bbls Wtr For Pad, Drop Stnd Vlve, Test Tbg To 3,000 Psi For Approx. 1 Hr, No Test, Pressure Back Up To 3,000 Psi, Retest, No Test, Try 1 More Time, Good Test, R/U Sandline, Fish Stnd Vlve, R/D Sandline, R/D Weatherford BOPS, R/U Wellhead, R/U H/Oiler To Csg, Pmp 70 B bls Fresh Wtr W/- Pkr Fluid, R/D Wellhead, Set Pkr, R/U Wellhead, Pressure Test Csg To 1,500 Psi For Approx. 1 Hr, No Test, Pressure Back Up, Retest, No Test, Pressure Back Up, Retest, Good Test, R/D NC #2, Well Ready For MIT

**Daily Cost: \$0****Cumulative Cost: \$25,493****5/17/2011 Day: 4****Conversion**

Rigless on 5/17/2011 - MIT on well - On 5/3/2011 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well (Federal 22-25-8-17). On 5/16/2011 the csg was pressured up to 1110 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20852-08497 API#4304732008 **Finalized**

**Daily Cost: \$0****Cumulative Cost: \$57,313**

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67845
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> FEDERAL 22-25
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43047320080000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1667 FNL 1773 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 25 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/8/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input checked="" type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="PUT ON INJECTION"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
The above referenced well was put on injection at 1:00 pm on 08/08/2011 EPA # UT20852-08497		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/9/2011



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

JUN 30 2011

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3 – Box 3630  
Myton, Utah 84052

RECEIVED

JUL 13 2011

DIV. OF OIL, GAS & MINING

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**  
**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Limited Authorization to Inject  
EPA UIC Permit UT20852-08497  
Well: Federal 22-25-8-17  
SENV Sec. 25-T8S-R17E  
Uintah County, Utah  
API No.: 43-047-32008

Dear Mr. Durfey:

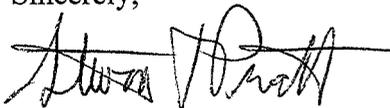
The U.S. Environmental Protection Agency (EPA), Region 8, has received Newfield Production Company's (Newfield) May 18, 2011, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram, and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20852-08497.

As of the date of this letter, Newfield is authorized to commence injection into the Federal 22-25-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,005 psig for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20852-08497. If Newfield seeks a higher MAIP than 1,005 psig, it may be advantageous to run a step rate test prior to conducting the RTS because a RTS conducted at the higher MAIP will be required. Newfield must receive prior authorization from the Director to inject at pressures greater than the permitted MAIP during any test.

Please remember that it is Newfield's responsibility to be aware of and to comply with all conditions of Permit UT20852-08497.

If you have questions regarding the above action, please call Emmett Schmitz at (303)312-6174 or (800)227-8917, extension 312-6174. The RTS log with interpretation should be mailed to Jason Deardorff at the letterhead address, citing mail code 8P-W-GW.

Sincerely,



for

Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

- Richard Jenks, Jr., Chairman
- Frances Poowegup, Vice-Chairwoman
- Ronald Wopsock, Councilman
- Phillip Chimburas, Councilman
- Stewart Pike, Councilman
- Irene Cuch, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst  
Newfield Production Company

FOR RECORD ONLY  
Ute Indian Tribe  
Office of Partnerships and Regulatory Assistance



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
Denver, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

JUN 06 2012

RECEIVED

JUN 13 2012

DIV. OF OIL, GAS & MINING

Ref: 8P-W-UIC

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Reed Durfey  
District Manager  
Newfield Production Company  
Route 3-Box 3630  
Myton, Utah 84502

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**FOR RECORD ONLY**

RE: Underground Injection Control (UIC)  
Authorization to Continue Injection  
EPA UIC Permit UT20852-08497  
Well: Federal 22-25-8-17  
SENW Sec. 25-T8S-R17E  
Uintah County, Utah  
API No.: 43-047-32008

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 received the results of the October 14, 2011, Radioactive Tracer Survey (RTS) for the Federal 22-25-8-17 well. The EPA determined the test demonstrates the presence of adequate cement to prevent the upward migration of injection fluids from the injection zone at the Maximum Allowable Injection Pressure (MAIP) of 1,005 psig.

As of the date of this letter, the EPA hereby authorizes continued injection into the Federal 22-25-8-17 well under the terms and conditions of UIC Permit UT20852-08497.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a Step Rate Test (SRT) that measures the formation parting pressure and determines the fracture gradient at this depth and location. Newfield must receive prior authorization from the Director in order to inject at pressures greater than the permitted MAIP during any test. A current copy of the EPA guidelines for running and interpreting SRTs will be sent upon request. Should the SRT result in approval of a higher MAIP, a subsequent RTS conducted at the higher MAIP is required.

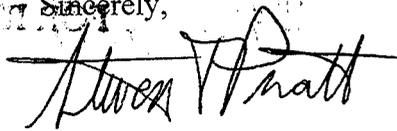
As of this approval, responsibility for permit compliance and enforcement is transferred to EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Ms. Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

Ms. Sarah Roberts  
U.S. EPA Region 8:  
MC: 8ENF-UFO  
1595 Wynkoop Street  
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-6211 or (800) 227-8927, extension 312-6211. Please remember that it is your responsibility to be aware of, and to comply with, all conditions of injection well Permit UT20852-08497.

If you have questions regarding the above action, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174.

Sincerely,  
YEMO CROOCH



for Callie A. Videtich  
Acting Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:  
Irene Cuch, Chairman  
Ronald Wopsock, Vice-Chairman  
Frances Poowegup, Councilwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
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Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Eric Sundberg  
Regulatory Analyst  
Newfield Production Company

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-67845
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> FEDERAL 22-25
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>9. API NUMBER:</b> 43047320080000
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052	<b>PHONE NUMBER:</b> 435 646-4825 Ext	<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1667 FNL 1773 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 25 Township: 08.0S Range: 17.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/14/2016  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="5 YR MIT"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
5 YR MIT performed on the above listed well. On 04/14/2016 the casing was pressured up to 1052 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1377 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-08497		<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 18, 2016</b>
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/18/2016

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
 Underground Injection Control Program  
 999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 4 / 14 / 16  
 Test conducted by: Hal Richius  
 Others present: \_\_\_\_\_

-08497

Well Name: <u>Federal 22-25-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>22</u> Sec: <u>25</u> T <u>8S</u> N/S R <u>17</u> (E/W) County: <u>Uintah</u> State: <u>Utah</u>		
Operator: <u>Hal Richius</u>		
Last MIT: <u>1 / 1</u>	Maximum Allowable Pressure: <u>1422</u>	PSIG

Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No If Yes, rate: 80 bpd

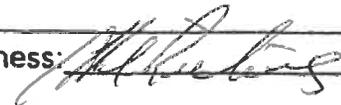
Pre-test casing/tubing annulus pressure: 1052 / 1377 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1377</u> psig	psig	psig
End of test pressure	psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1052.0</u> psig	psig	psig
5 minutes	<u>1052.0</u> psig	psig	psig
10 minutes	<u>1052.4</u> psig	psig	psig
15 minutes	<u>1052.4</u> psig	psig	psig
20 minutes	<u>1052.2</u> psig	psig	psig
25 minutes	<u>1052.2</u> psig	psig	psig
30 minutes	<u>1052.0</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

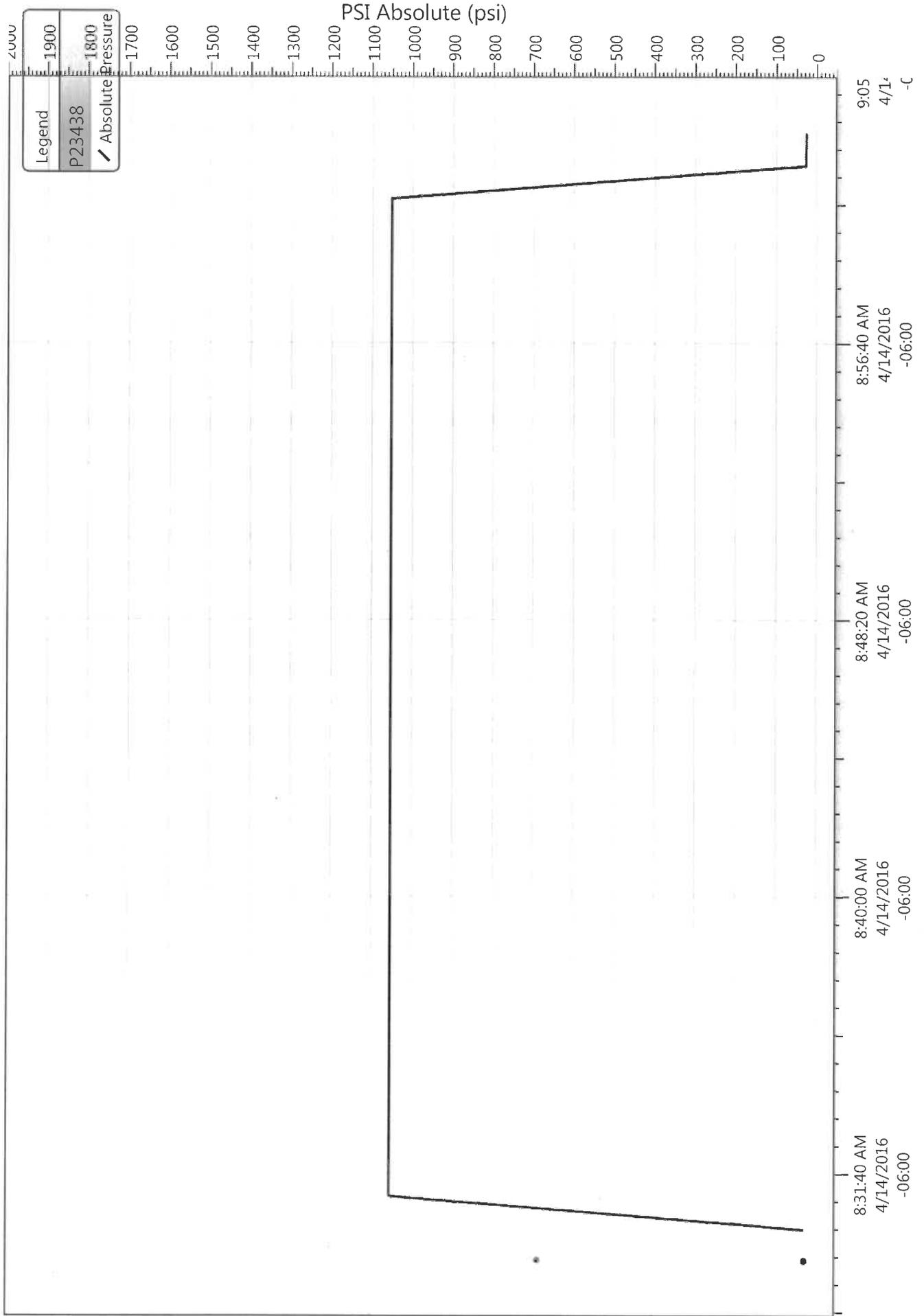
Does the annulus pressure build back up after the test?  Yes  No

### MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: 

FEDERAL 22-25-8-17 (5 YEAR) 4-14-2016  
4/14/2016 8:26:13 AM



# Federal 22-25-8-17

Spud Date: 5/2/1991  
 Put on Production: 8/17/1991  
 GL: 5049 KB: 5063

Initial Production: 72 BOPD,  
 60 MCFD, 8 BWPD

## Injection Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 21"  
 LENGTH: 7 jts (294.05')  
 DEPTH LANDED: 309'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 225 sxs regular w/ 3% CCL

### PRODUCTION CASING

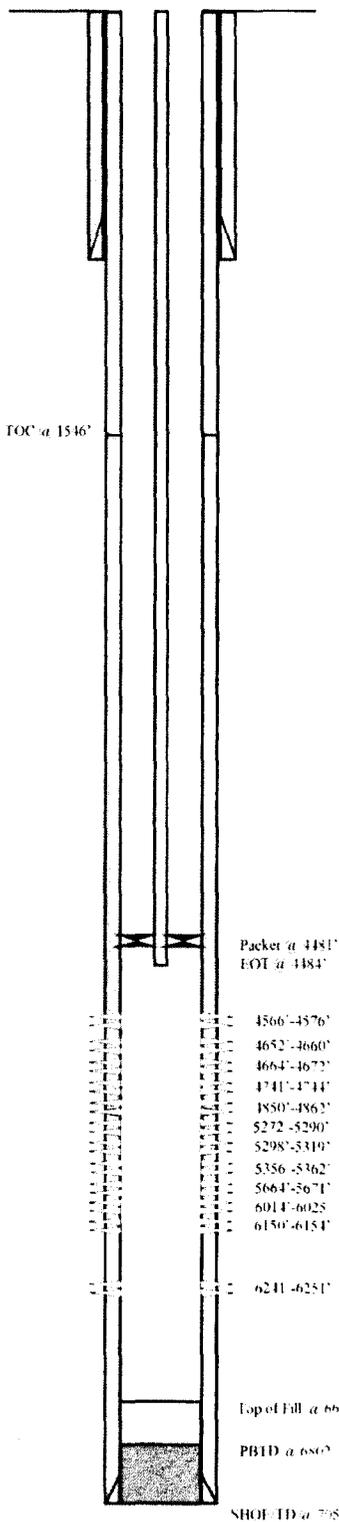
CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5"  
 LENGTH: 7036'  
 DEPTH LANDED: 7080'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 425 4/8 Prem-Lite & 350 sxs regular w/ 2% CCL  
 CEMENT TOP AT: 1548' psi CBI

### TUBING

SIZE GRADE WT: 2-7/8" J-55 6.5"  
 NO. OF JOINTS: 137 jts (4462.4')  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4176.4 KB  
 CE: a 4480.61'  
 TOTAL STRING LENGTH: FOI a 4484 KB

### FRAC JOB

5/13/91	5272'-5290'	<b>Frac as follows:</b> 293,000# 16/30 sand in 1603 bbls frac fluid. Treated @ avg press of 1600 psi w/ avg rate of 50 BPM. ISIP 2040 psi.
12/12/91	4850'-4862'	<b>Frac as follows:</b> 28,125# 16/30 sand in 849 bbls frac fluid. Treated @ avg press of 3100 psi w/ avg rate of 35 BPM. Screened out
2/10/95	6014'-6154'	<b>Frac as follows:</b> 46,660# 20/40 & 47,900# 16/30 sand in 616 bbls frac fluid. Treated @ avg press of 5000 psi w/ avg rate of 21 BPM. ISIP 1800 psi.
1/23/02		<b>Tubing leak.</b> Update rod and tubing details
5/30/02	6241'-6251'	<b>Frac CP5 sand as follows:</b> 30,000# 20/40 sand in 235 bbls Viking I-25 frac fluid. Treated @ avg press of 3350 psi w/ avg rate of 15 BPM. ISIP 1925 psi. Calc. flush: 1565 gal. Actual flush: 1491 gal.
5/31/02	5664'-5671'	<b>Frac A3 sand as follows:</b> 10,351# 20/40 sand in 99 bbls Viking I-25 frac fluid. Treated @ avg press of 3542 psi w/ avg rate of 14.5 BPM. Screened out w/ approx. 3248# sand in formation and 7067# sand in casing and tubing.
5/31/02	5272'-5362'	<b>Frac C-std &amp; B.5 sands as follows:</b> 130,000# 20/40 sand in 596 bbls Viking I-25 frac fluid. Treated @ avg press of 4040 psi w/ avg rate of 20 BPM. ISIP 2310 psi. Calc. flush: 1339 gal. Actual flush: 1260 gal.
6/01/02	4566'-4741'	<b>Frac GB4, GB6 &amp; PB7 sands as follows:</b> 87,500# 20/40 sand in 602 bbls Viking I-25 frac fluid. Treated @ avg press of 1800 psi w/ avg rate of 26.3 BPM. ISIP 2350 psi. Calc. flush: 4566 gal. Actual flush: 4404 gal.
1/29/03		<b>Tubing Leak.</b> Update rod and tubing detail
07/19/06		<b>Parted rods</b> Update rod and tubing details
05/10/11		<b>Converted to Injection well</b>
05/16/11		<b>Conversion MIT Finalized</b>



### PERFORATION RECORD

08/12/91	5272'-5290'	4 JSPI	75 holes
12/10/91	4850'-4862'	1 JSPI	48 holes
02/08/95	6150'-6154'	1 JSPI	04 holes
02/08/95	6014'-6025'	1 JSPI	07 holes
05/29/02	6241'-6251'	4 JSPI	40 holes
05/29/02	5664'-5671'	4 JSPI	28 holes
05/29/02	5356'-5362'	4 JSPI	24 holes
05/29/02	5298'-5319'	4 JSPI	84 holes
05/29/02	4741'-4744'	4 JSPI	12 holes
05/29/02	4664'-4672'	4 JSPI	32 holes
05/29/02	4652'-4660'	4 JSPI	32 holes
05/29/02	4566'-4576'	4 JSPI	40 holes

**NEWFIELD**

**Federal 22-25-8-17**

1667 FNL & 1773 FWL  
 SE NW Section 25-T8S-R17E  
 Uintah Co., Utah  
 API #43-047-32008; Lease #UTU-67845