

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
 Wildrose Resources Corporation PH: 303-770-6566

3. ADDRESS OF OPERATOR
 4949 South Albion Street, Littleton, CO 80121

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 655' FNL & 1989' FEL (NW $\frac{1}{4}$ NE $\frac{1}{4}$)
 At proposed prod. zone: Same

5. LEASE DESIGNATION AND SERIAL NO.
 U-71368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Harbour Town Federal

9. WELL NO.
 31-30

10. FIELD AND POOL, OR WILDCAT
 Monument Butte

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Section 30, T8S, R17E

12. COUNTY OR PARISH 13. STATE
 Duchesne Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 9 miles south of Myton, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 655'

16. NO. OF ACRES IN LEASE
 200

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.
 none

19. PROPOSED DEPTH
 6200'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5321' GR

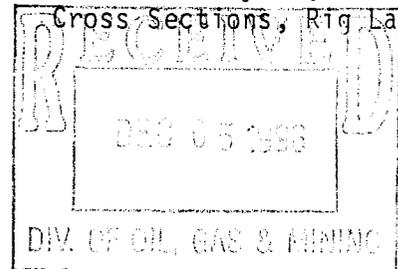
22. APPROX. DATE WORK WILL START*

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"	24#, J-55	300'	225 sx
7-7/8"	5-1/2"	15.5#, J-55	6200'	800 sx

SEE ATTACHED EXHIBITS: A - Surveyors Plat E - Access Road Map
 B - 10 Point Plan F - Production Facilities
 C - BOP Diagram G - Existing Wells Map
 D - 13 Point Surface Use Program H - Pit & Pad Layout, Cuts & Fills, Cross Sections, Rig Layout

CONFIDENTIAL



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: Kay J. Keltner TITLE: Vice President DATE: December 3, 1996

(This space for Federal or State office use)

PERMIT NO. 43-013-31758 APPROVAL DATE

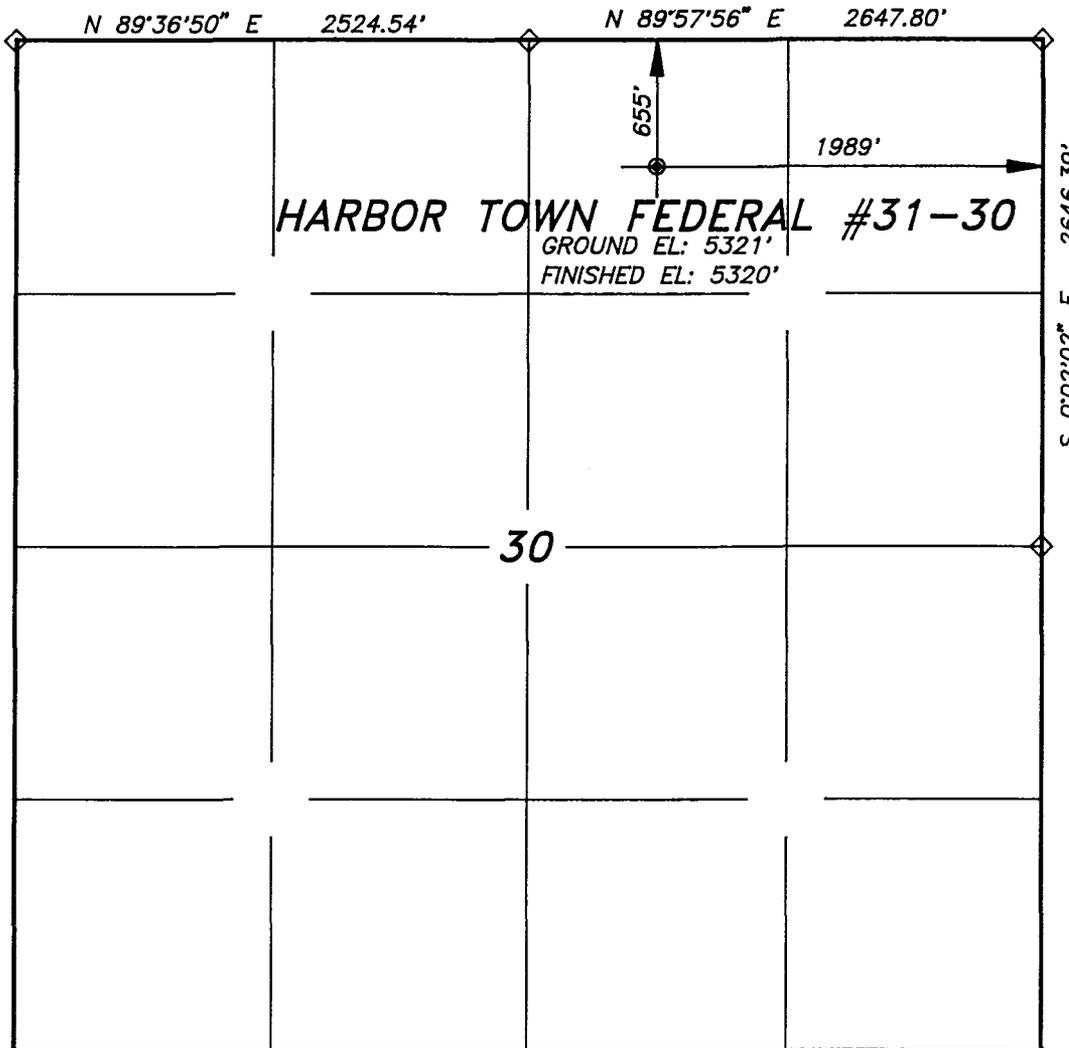
APPROVED BY: JAN Matthews TITLE: Petroleum Engineer DATE: 1/7/97

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**WILDROSE RESOURCES CORP.
WELL LOCATION PLAT
HARBOR TOWN FEDERAL #31-30**

LOCATED IN THE NW1/4 OF THE NE1/4 OF
SECTION 30, T8S, R17E, S.L.B.&M.



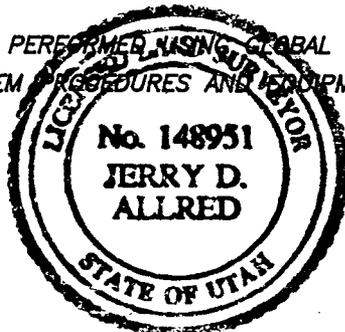
SCALE: 1" = 1000'

LEGEND AND NOTES

◇ ORIGINAL MONUMENTS FOUND AND USED BY THIS SURVEY.

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. QUADRANGLE MAP.

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT



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,
CERTIFICATE NO. 148951 (UTAH)

Exhibit A

	JERRY D. ALLRED & ASSOCIATES SURVEYING CONSULTANTS
	121 NORTH CENTER STREET P.O. BOX 975 DUCHEсне, UTAH 84021 (801)-738-5352

23 OCT 1996

83-123-029

EXHIBIT B

WILDROSE RESOURCES CORPORATION
HARBOUR TOWN FEDERAL #31-30
LEASE #U-71368
NW/NE SECTION 30, T8S, R17E
UINTAH COUNTY, UTAH

TEN POINT COMPLIANCE PROGRAM OF APPROVAL OF OPERATIONS

1. The Geologic Surface Formation

The surface formation is the Uintah (Tertiary).

2. Estimated Tops of Important Geologic Markers

Green River	1700'
Wasatch Tongue of Green River	6100'
Total Depth	6200'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

No water bearing zones are anticipated

Green River 4000' - 6100' Oil

4. The Proposed Casing Program

<u>HOLE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE(OP)</u>	<u>WEIGHT, GRADE, JOINT</u>	<u>NEW OR USED</u>
12.25"	0 - 300'	300'	8-5/8"	24# K-55 ST&C	New
7-7/8"	0 - 6200'	6200'	5-1/2"	15.50# J-55 ST&C	New

Cement Program -

Surface Casing: 225 sacks Class "G" plus 2% CaCl₂

Production Casing: 200 sacks Lite Cement and 600 sacks Class "G" with additives

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. A 2M system will be used. The blind rams and the pipe

rams will be tested to 1500 psi after nipping up and after any use under pressure. Pipe rams will be operationally checked each 24 hour period, as will blind rams and annular preventer each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be 2% KCl water with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be available to be added if pressure requires.

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/gal</u>	<u>VISCOSITY sec/qt</u>	<u>FLUID LOSS cc</u>	<u>PH</u>
0-3500'	Fresh Water	8.4 - 8.6	28 - 30	NC	--
3500-6200'	2% KCl Water	8.6 - 8.8	30 - 34	NC	9.0

7. The Auxiliary Equipment to be Used

- a) An upper kelly cock will be kept in the string.
- b) A float will be used at the bit.
- c) A mud logging unit will not be used. The mud system will be visually monitored.
- d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- a) No Drill Stem Tests will be run.
- b) The Logging Program: Dual Later Log 300' - T.D.
Formation Density-CNL 4000' - T.D.
- c) No coring is anticipated.
- d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted for approval.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 1500 psi + or -.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

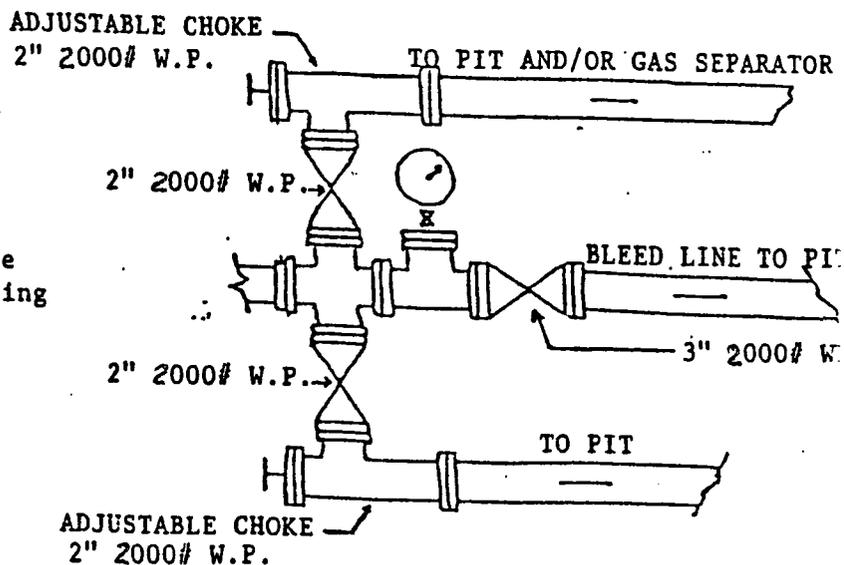
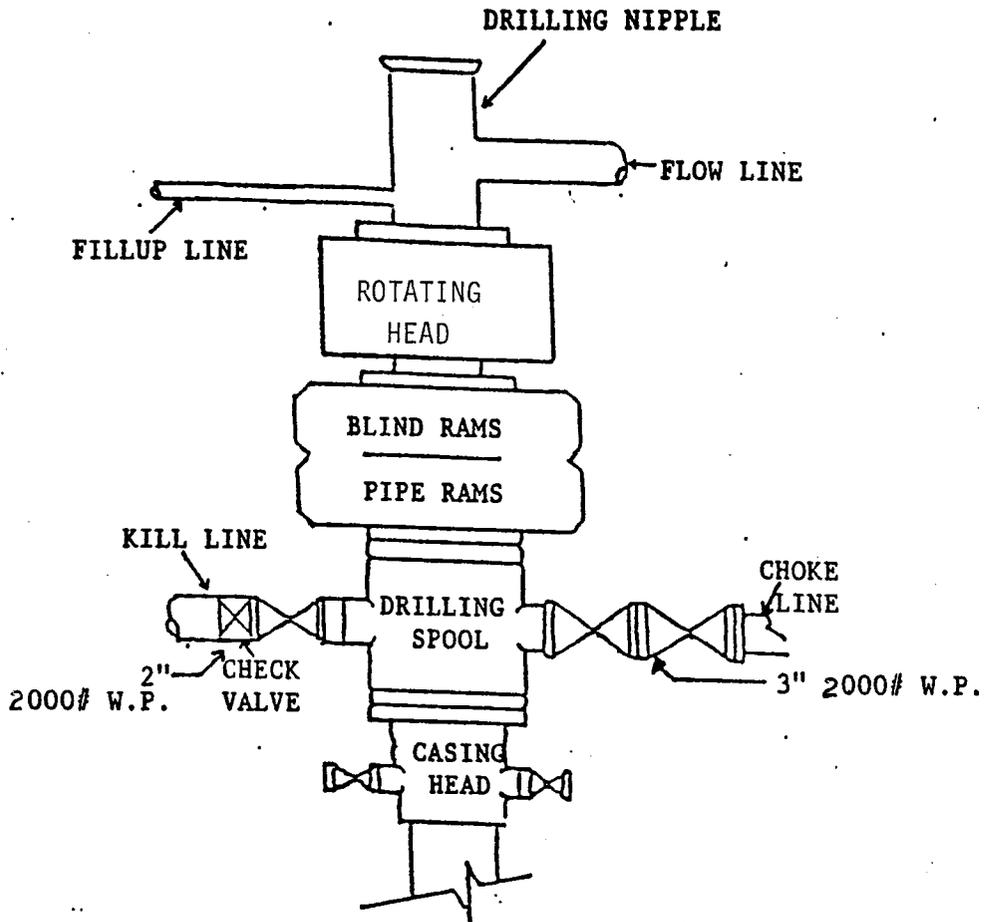
10. Anticipated Starting Date and Duration of the Operations.

The anticipated starting date is February 1, 1997. Operations will cover approximately 10 days for drilling and 14 days for completion.

Hazardous Chemicals

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling of this well.

EXHIBIT C
BOP DIAGRAM



NOTE: BOP side outlets may be used in place of drilling spool.

EXHIBIT D

WILDROSE RESOURCES CORPORATION
HARBOUR TOWN FEDERAL #31-30
LEASE #U-71368
NW/NE SECTION 30, T8S, R17E
UINTAH COUNTY, UTAH

Thirteen Point Surface Use Program

Multipoint Requirements to Accompany APD

1. Existing Roads

- A. The proposed well site and elevation plat is shown on Exhibit A.
- B. From Myton, Utah, go west 1 mile. Turn south on Pleasant Valley road. Go south for 7.6 miles. Turn east (left) for 0.3 miles to location.
- C. See Exhibit E for access roads.
- D. There are no plans for improvement of existing roads. Roads will be maintained in present condition.

2. Planned Access Roads - (Newly Constructed)

- A. Length - 1900 feet.
- B. Width - 30' right of way with 18' running surface maximum.
- C. Maximum grades - 2%
- D. Turnouts - N/A
- E. Drainage design - Barrow ditches and water turnouts as required.
- F. Culverts, bridges, cuts and fills - None.
- G. Surfacing material (source) - from location and access road.
- H. Gates, cattle guards and fence cuts - None.

All travel will be confined to existing access road rights of way.
Access roads and surface disturbing activities will conform to

standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/ upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 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 accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diversion water off at 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.

A Right of Way application is needed. Please consider this APD the application for said Right of Way.

3. Location of Existing Wells Within a 1 Mile Radius

See Exhibit G

- A. Water wells - none.
- B. Abandoned wells - none.
- C. Temporarily abandoned wells - none.
- D. Disposal wells - none.
- E. Drilling wells - one.
- F. Producing wells - six.
- G. Shut-in wells - none.
- H. Injection wells - none.

4. Location of Existing and/or Proposed Facilities

- A. On well pad - See Exhibit F for all production facilities to be used if well is completed as a producing oil well.
- B. Off well pad - N/A

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to

contain, at a minimum, the entire content of the largest tank within the battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

Tank battery will be placed on the southeast corner of the location.

All permanent (on site for six months or longer) 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 Rock Mountain Five state Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is desert brown, 10YR.

If at any time the facilities located on public land 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), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.

5. Location and Type of Water Supply

- A. Water supply will be from Water Permit #43-1721 (Joe Shields spring).
- B. Water will be trucked across existing roads to location.
- C. No water wells to be drilled on lease.

6. Source of Construction Materials

- A. Native materials on lease will be used.
 - B. From Federal land.
 - C. N/A.
- A minerals material application is not required.

7. Methods for Handling Waste Disposal

- A.
 - 1) Drill cuttings will be buried in the reserve pit.

- 2) Portable toilets will be provided for sewage.
- 3) Trash and other waste material will be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.
- 4) Salts - if any will be disposed of.
- 5) Chemicals - if any will be disposed of.

B. Drilling fluids will be handled in the reserve pit. Any fluids produced during testing operations will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in the reserve pit. Any oil in the reserve pit will be removed.

Burning will not be allowed. All trash must be contained in trash cage and hauled away to an approved disposal site at the completion of drilling activities.

The reserve pit shall be constructed so as not to leak, break, or allow discharge.

Only if porous soils are encountered during the construction of the reserve pit and after inspection by a BLM representative, will a plastic nylon reinforced liner be used. If a plastic liner is used, it will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. Ancillary Facilities

- A. Camp facilities or airstrips will not be required.

9. Well Site Layout

- A. See Exhibit H.
- B. See Exhibit H.
- C. See Exhibit H.

The reserve pit will be located on the south side of the location.

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

Topsoil - will be stored at the north side of the location.

Access to the well pad will be from the west.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a. 39-inch net wire shall be used with at least one 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).

b. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.

c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

d. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.

e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

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.

10. Plans for Restoration of Surfaces

A. Producing Location:

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

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.

The BLM will be contacted for required seed mixture.

B. Dry Hole/ Abandoned Location:

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. Surface Ownership

Access Road: Federal
Location: Federal

12. Other Additional Information

A. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator 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 AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be

required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

B. The operator 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 BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

C. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities. (The BLM does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

Additional Surface Stipulations

Archaeological clearance was done on this 40-acre site by Blaine Phillips several years ago as part of a tar sands area. The BLM Project Number on that clearance was 013-215.

Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer.

13. Lessee's or Operators Representative and Certification Representative

Kary J. Kaltenbacher
Wildrose Resources Corporation
4949 South Albion Street
Littleton, CO 80121
Telephone: 303-770-6566

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 and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his sub-contractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if

applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

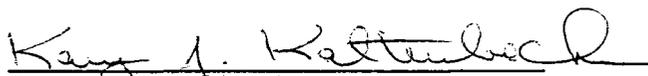
Self-Certification Statement:

Please be advised that Wildrose Resources Corporation is considered to be the operator of Harbour Town Federal Well No. 31-30, NW/4 NE/4 of Section 30, Township 8 South, Range 17 East; Lease Number U-71368; Duchesne County, Utah; and is responsible for the operations conducted upon the leased lands. Bond coverage is provided by Statewide Oil and Gas Bond No. 229352, Allied Mutual Insurance Company, approved by the BLM effective October 26, 1987.

Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Wildrose Resources Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date Dec. 3, 1996


Kary J. Kaltenbacher
Kary J. Kaltenbacher
Vice President

Onsite Date: November 15, 1996

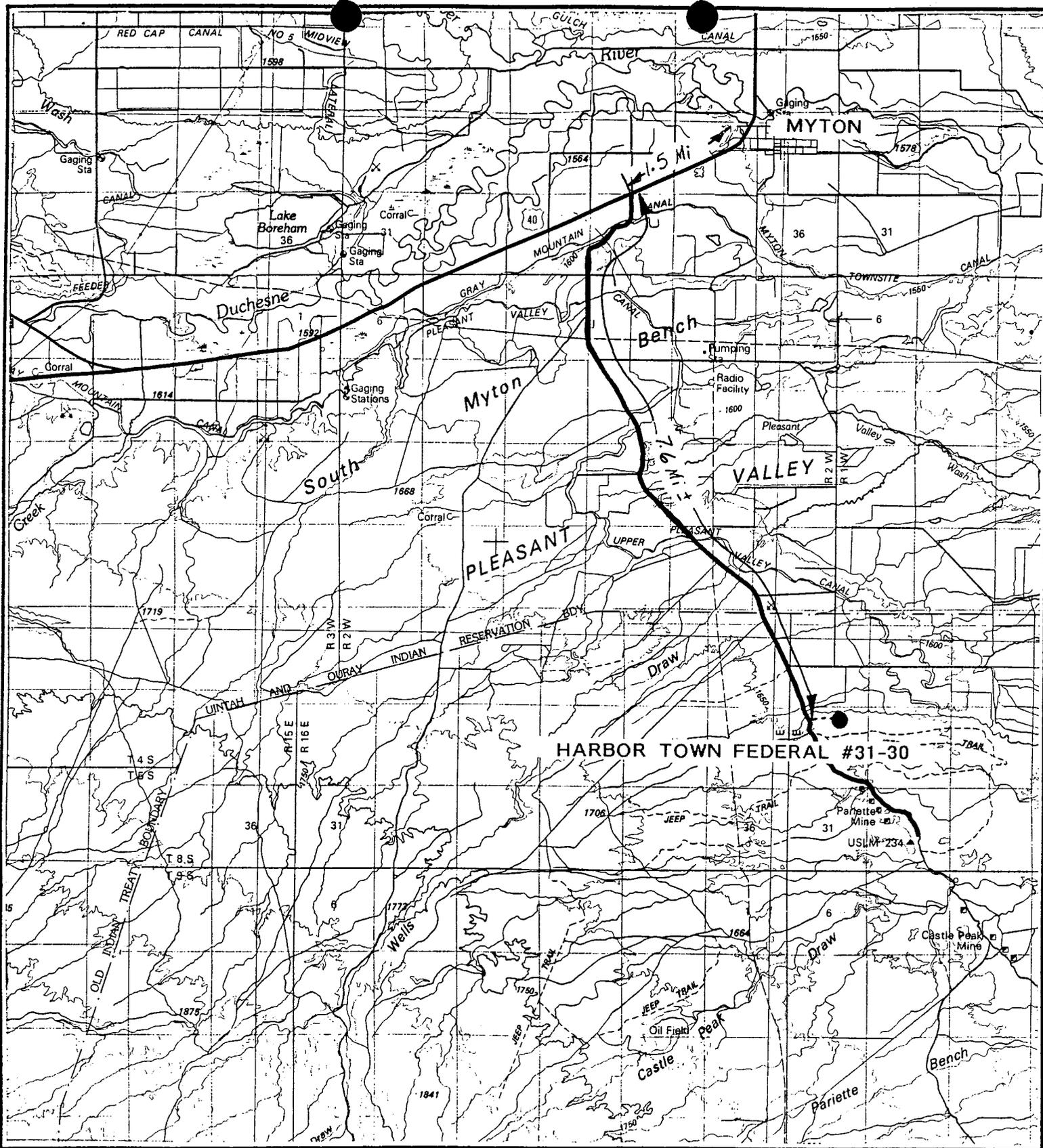
Participants on Joint Inspection

Everett R. Wilcken
Byron Tolman

Wildrose Resources Corporation
BLM

CONFIDENTIAL STATEMENT

WILDROSE RESOURCES CORPORATION, AS OPERATOR, REQUESTS THAT ALL INFORMATION RELATED TO THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.



TOPOGRAPHIC
 MAP "A"
 Exhibit 'E-1'

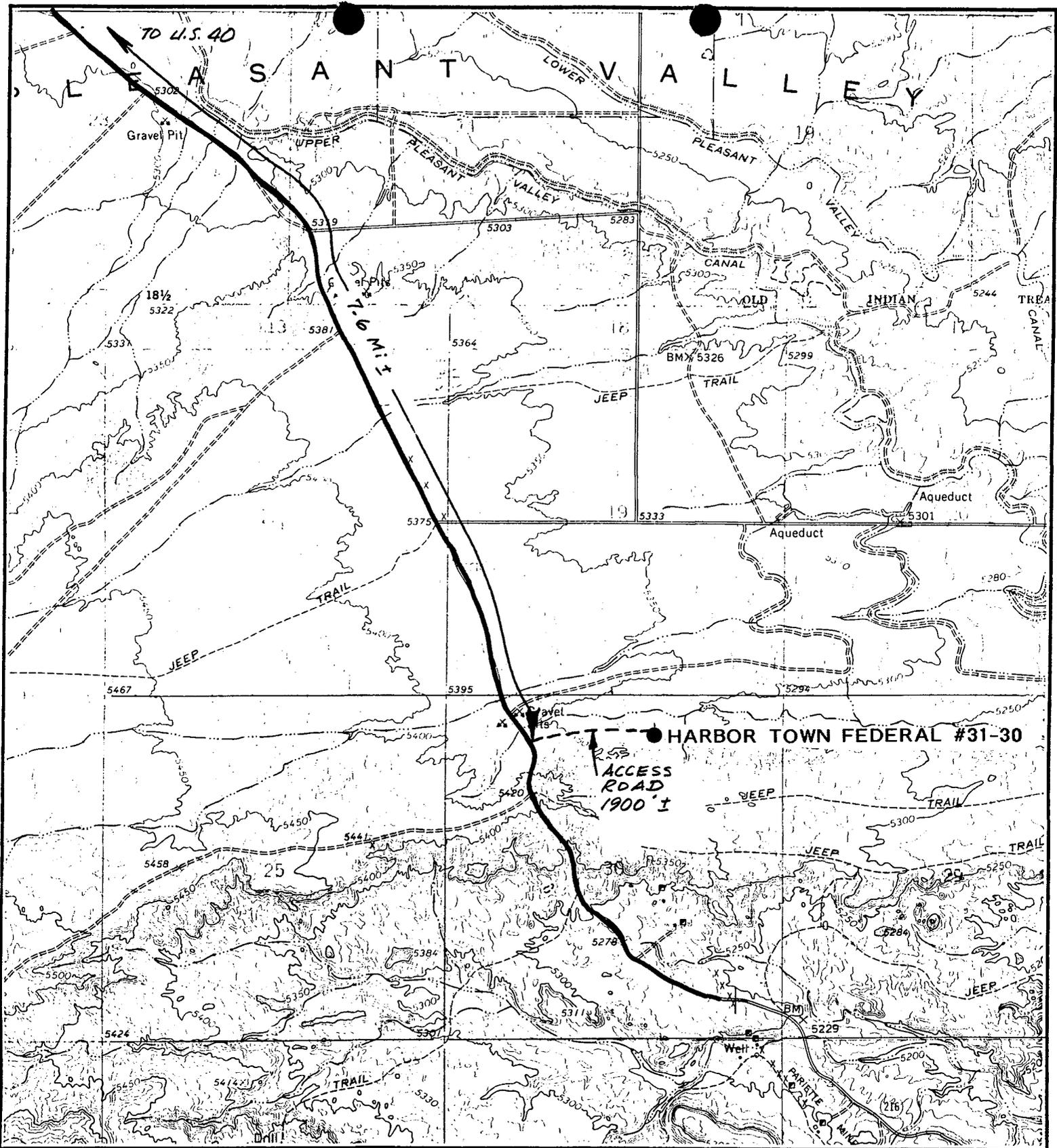


WILDROSE RESOURCES CORP.

HARBOR TOWN FEDERAL #31-30
 SECTION 30, T8S, R17E, S.L.B.&M.

23 Oct '96

83-123-029



TOPOGRAPHIC

MAP "B"

SCALE: 1"=2000'

Exhibit 'E-2'



WILDROSE RESOURCES CORP.

HARBOR TOWN FEDERAL #31-30
SECTION 30, T8S, R17E, S.L.B.&M.

23 Oct '96

83-123-029

PROPOSED PRODUCTION FACILITY DIAGRAM

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

DIKE

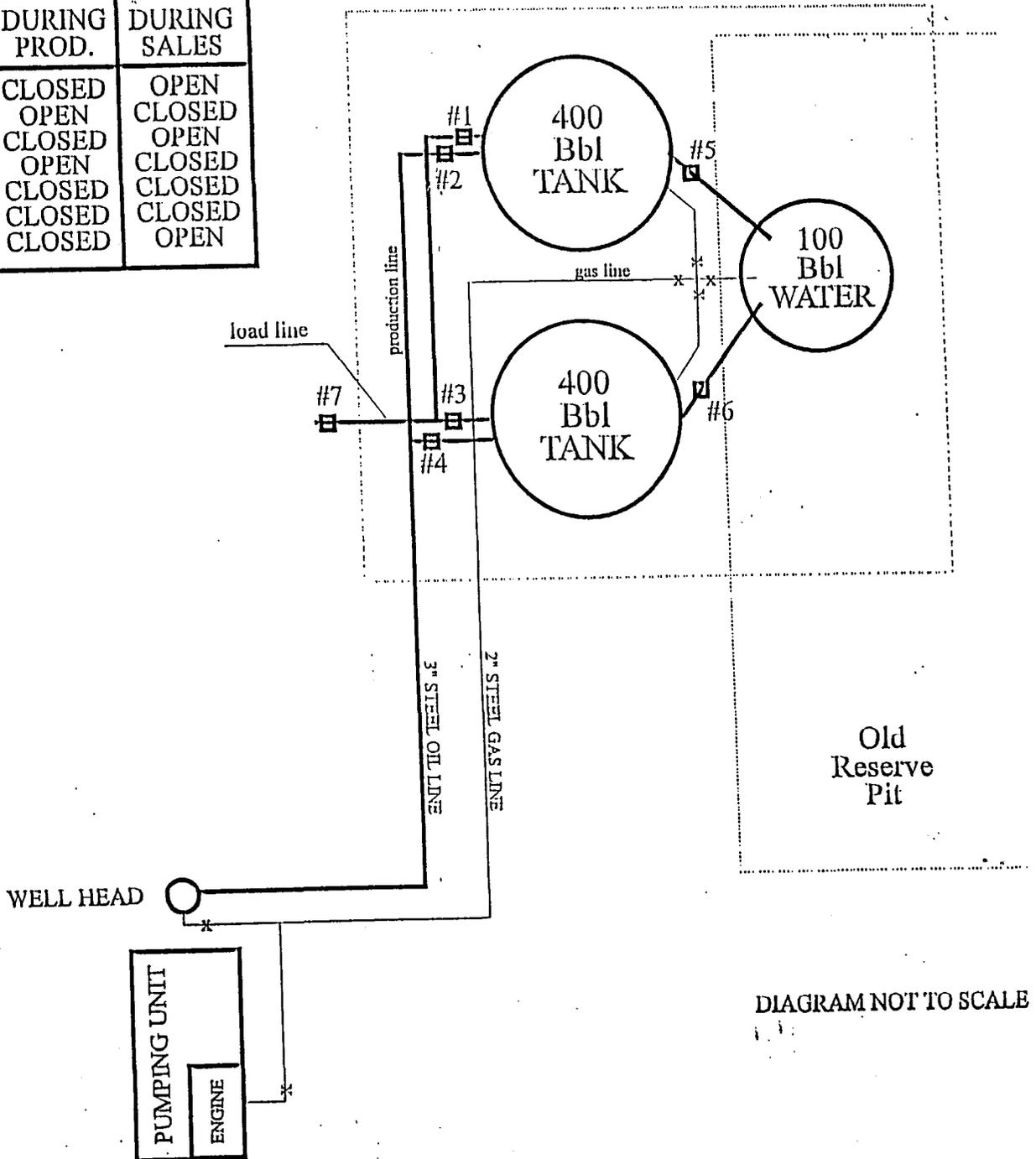
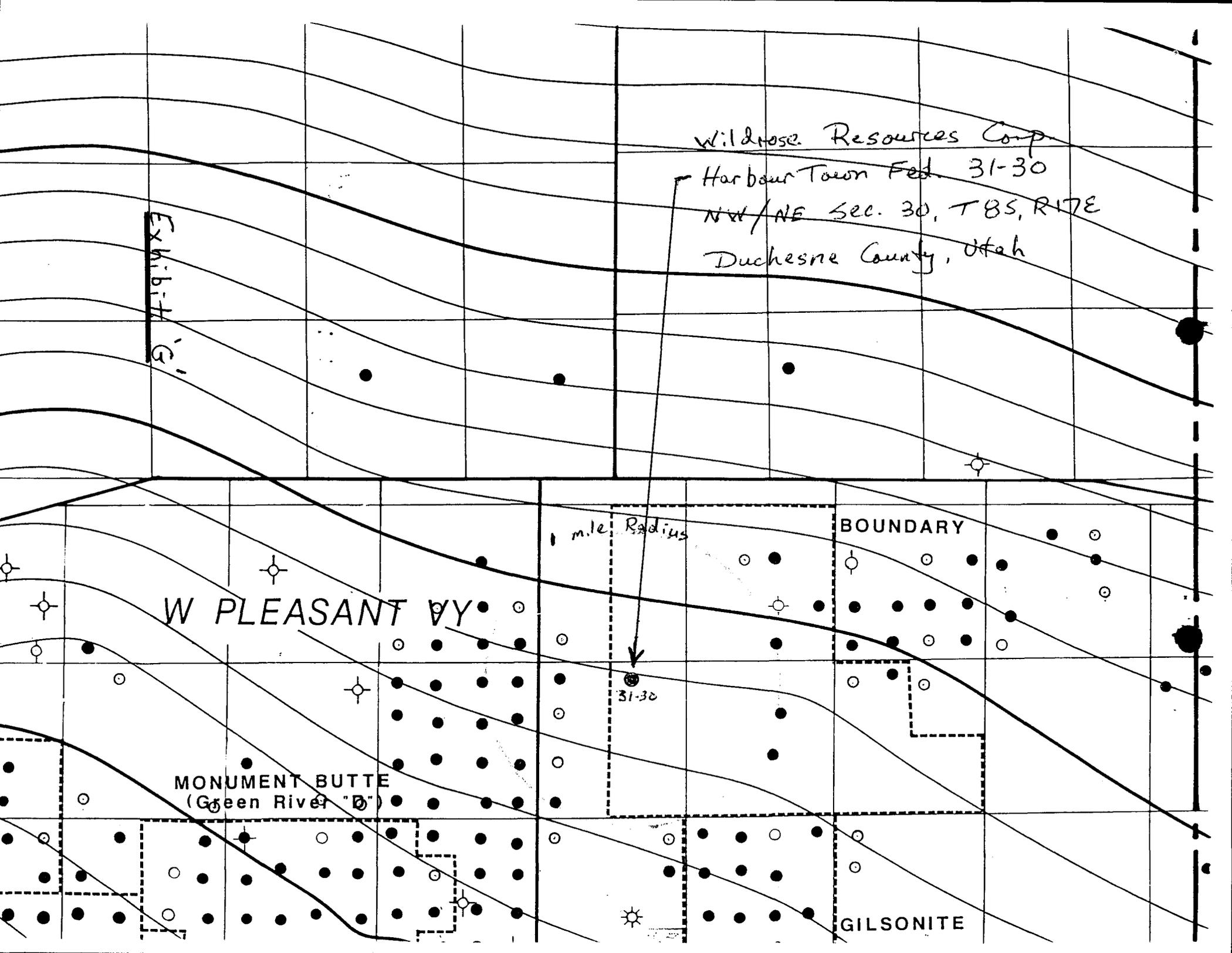


Exhibit 'F'

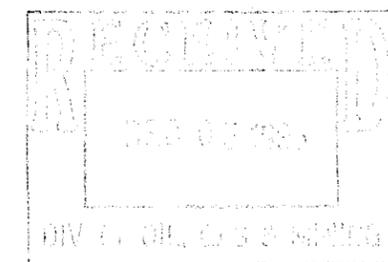
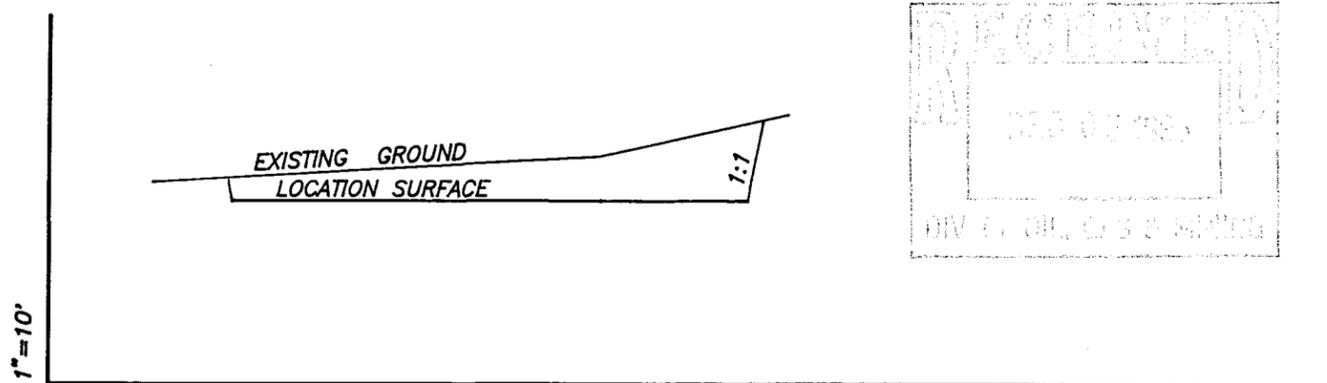
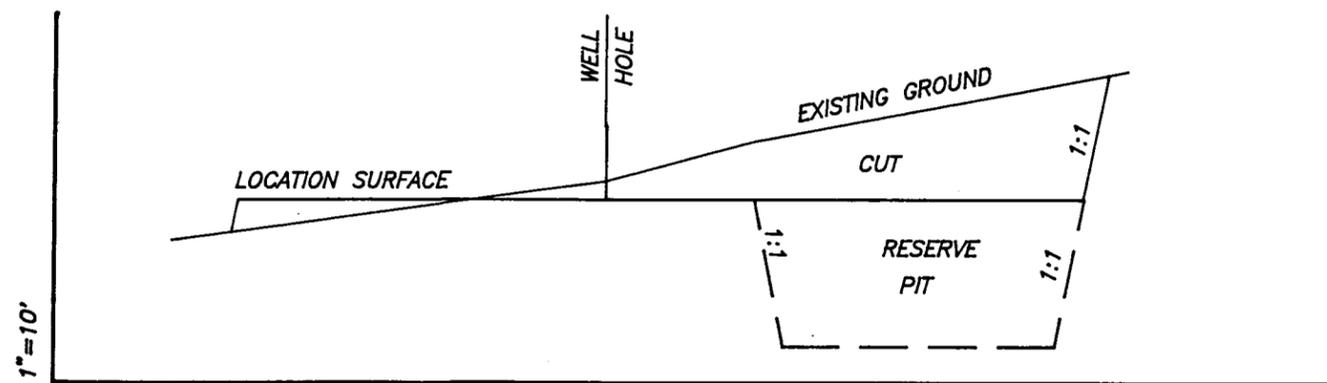
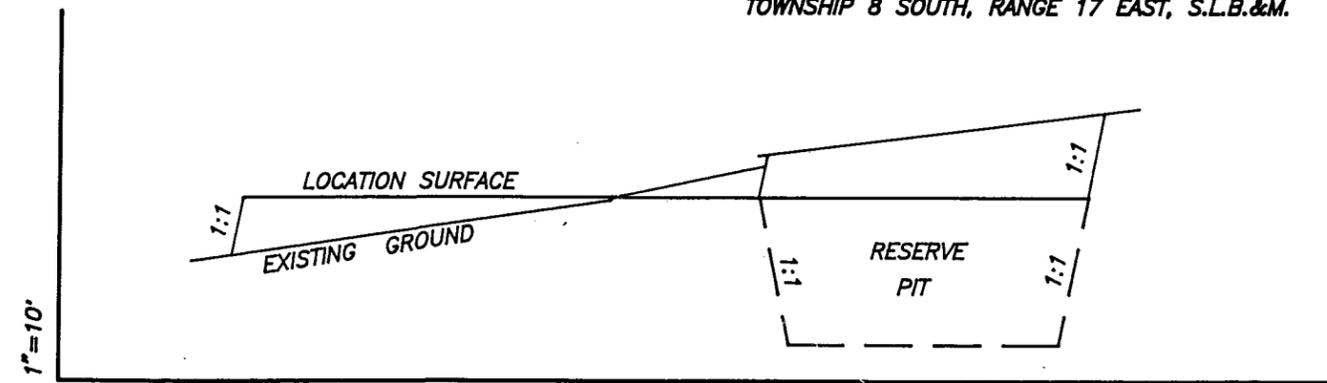
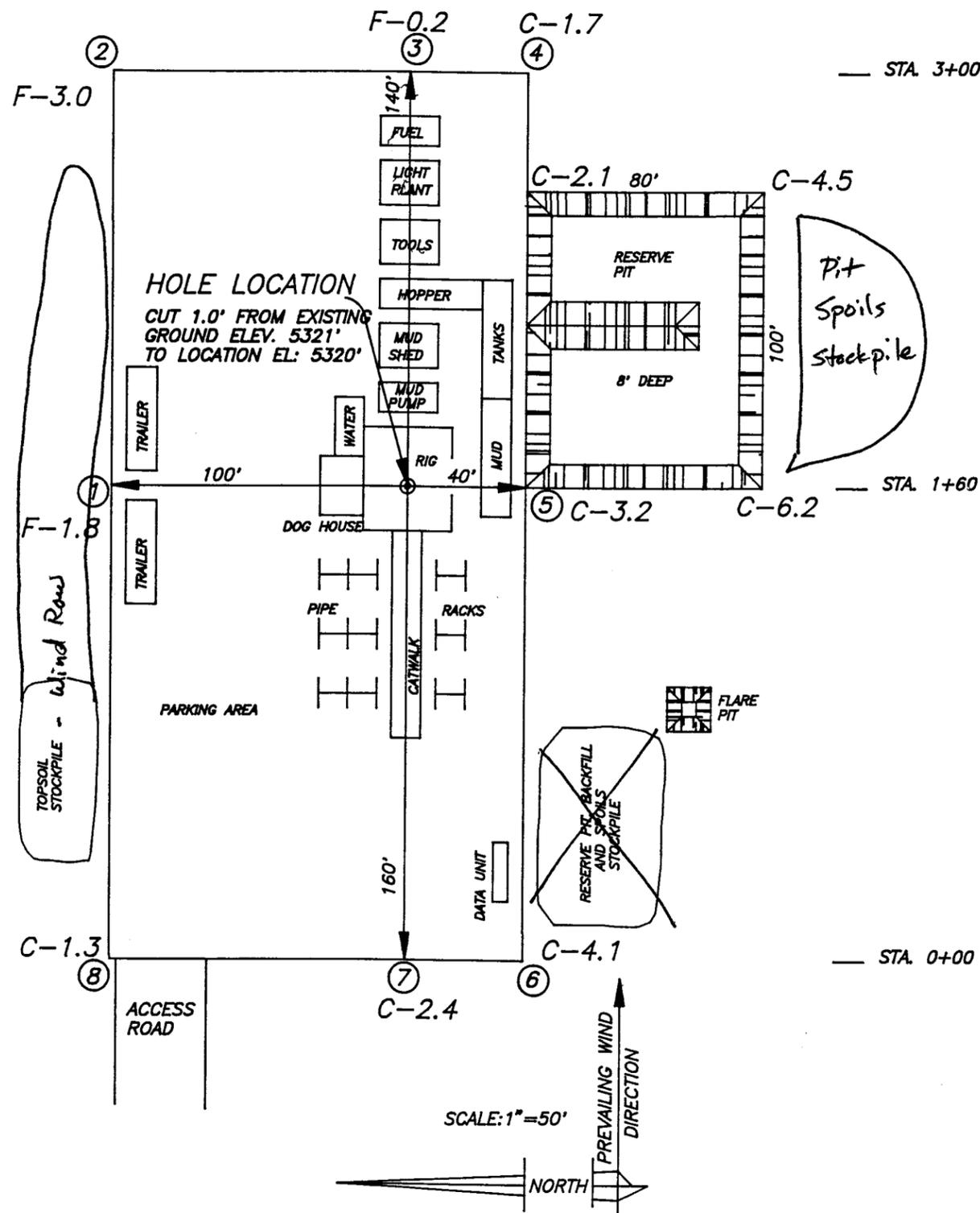
Wildrose Resources Corp
Harbour Town Fed. 31-30
NW/NE Sec. 30, T8S, R17E
Duchesne County, Utah

EXHIBIT 'G'



WILDROSE RESOURCES CORP.
WELL LAYOUT PLAT
HARBOR TOWN FEDERAL #31-30

LOCATED IN THE NW1/4 OF THE NE1/4 OF SECTION 30,
 TOWNSHIP 8 SOUTH, RANGE 17 EAST, S.L.B.&M.



APPROXIMATE QUANTITIES

CUT: 5000 CU. YDS. (INCLUDES PIT)
 FILL: 1000 CU. YDS.

23 OCT 1996

83-123-029

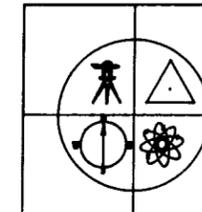


Exhibit 'H'
JERRY D. ALLRED & ASSOCIATES
 SURVEYING AND ENGINEERING CONSULTANTS

121 NORTH CENTER STREET
 P.O. BOX 975
 DUCHESNE, UTAH 84021
 (801) 738-5352

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/05/96

API NO. ASSIGNED: 43-013-31758

WELL NAME: HARBOUR TOWN FEDERAL 31-30
 OPERATOR: WILDROSE RESOURCES (N9660)

PROPOSED LOCATION:
 NWNE 30 - T08S - R17E
 SURFACE: 0655-FNL-1989-FEL
 BOTTOM: 0655-FNL-1989-FEL
 DUCHESNE COUNTY
 MONUMENT BUTTE FIELD (105)

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

LEASE TYPE: FED
 LEASE NUMBER: U - 71368

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal State Fee
 (Number 229352)

Potash (Y/N)

Oil shale (Y/N)

Water permit
 (Number 43-1721)

RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____

R649-3-2. General.

___ R649-3-3. Exception.

___ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: WILDROSE RESOURCES	Well Name: HARBOUR TOWN FED 31-
Project ID: 43-013-31758	Location: SEC. 3 - T8S - R17E

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2443 psi
 Internal gradient (burst) : 0.063 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	6,200	5.500	15.50	J-55	ST&C	6,200	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2834	4040	1.426	2834	4810	1.70	96.10	202	2.10 J

Prepared by : MATTHEWS, Salt Lake City, Utah
 Date : 01-07-1997
 Remarks :

GREEN RIVER

Minimum segment length for the 6,200 foot well is 1,500 feet.

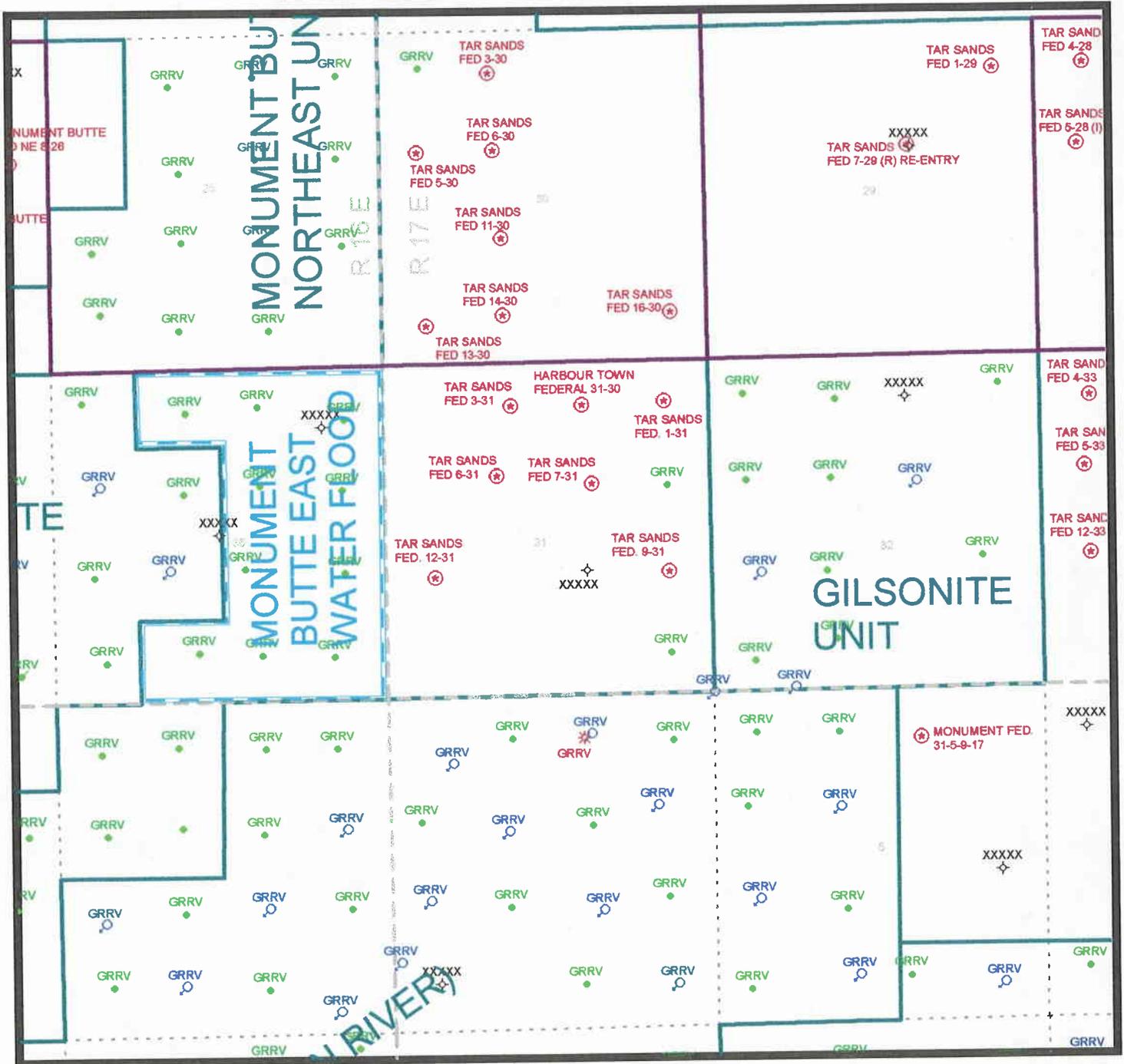
SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 117°F (Surface 74°F , BHT 161°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,834 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

OPERATOR: WILDROSE RESOURCES
 FIELD: MONUMENT BUTTE (105)
 SECTION: 30 T8S R17E
 COUNTY: DUCHESNE
 SPACING: UAC R649-3-2



PREPARED:
 DATE: 4-DEC-96



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

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

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

January 7, 1997

Wildrose Resources Corporation
4949 South Albion Street
Littleton, Colorado 80121

Re: Harbour Town Federal 31-30 Well, 655' FNL, 1989' FEL, NW NE,
Sec. 30, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to re-enter and drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31758.

Sincerely,

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

R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Wildrose Resources Corporation
Well Name & Number: Harbour Town Federal 31-30
API Number: 43-013-31758
Lease: U-71368
Location: NW NE Sec. 30 T. 8 S. R. 17 E.

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews at (801)538-5334 or Mike Hebertson at (801)538-5333.

3. Reporting Requirements

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

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
 Wildrose Resources Corporation PH: 303-770-6566

3. ADDRESS OF OPERATOR
 4949 South Albion Street, Littleton, CO 80121

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface: 655' FNL & 1989' FEL (NW $\frac{1}{4}$ NE $\frac{1}{4}$)
 At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 9 miles south of Myton, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 655'

16. NO. OF ACRES IN LEASE 200

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. none

19. PROPOSED DEPTH 6200'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5321' GR

22. APPROX. DATE WORK WILL START*

5. LEASE DESIGNATION AND SERIAL NO.
 U-71368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Harbour Town Federal

9. WELL NO.
 31-30

10. FIELD AND POOL, OR WILDCAT
 Monument Butte

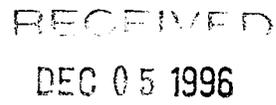
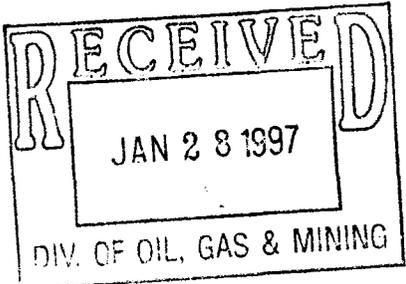
11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 Section 30, T8S, R17E

12. COUNTY OR PARISH 13. STATE
 Duchesne Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#, J-55	300'	225 sx
7-7/8"	5-1/2"	15.5#, J-55	6200'	800 sx

- SEE ATTACHED EXHIBITS:
- A - Surveyors Plat
 - B - 10 Point Plan
 - C - BOP Diagram
 - D - 13 Point Surface Use Program
 - E - Access Road Map
 - F - Production Facilities
 - G - Existing Wells Map
 - H - Pit & Pad Layout, Cuts & Fills, Cross Sections, Rig Layout



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 Kary J. Kettler TITLE Vice President DATE December 3, 1996

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 ASSISTANT FIELD MANAGER
 APPROVED BY [Signature] TITLE Mineral Resources DATE JAN 13 1997

CONDITIONS OF APPROVAL, IF ANY:
NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED

DOGEM
 44080-7M-044

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Wildrose Resources Corporation

Well Name & Number: Harbour Town Federal 31-30

API Number: 43-013-31758

Lease Number: U - 71368

Location: NWNE Sec. 30 T. 8S R. 17E

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. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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.

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 Orders, 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 the field representative to insure compliance.

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 **prior to setting the next casing string or requesting plugging orders**. Faxed 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

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. 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.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

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 usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 336 ft. or by setting surface casing to 400 ft. and having a cement top for the production casing at least 200 ft. above the highest potential productive zone. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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 AO. 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 AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

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 not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

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 a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its 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 AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

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.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. 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.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 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.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

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 within 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 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).

The APD approval is valid only until March 31, 1997, unless production is established from another well within the lease prior to that date. If production in paying quantities is established prior to that date then the APD 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, if production in paying quantities has been established from another well from within the lease hold.

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

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

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 waste

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
Conditions of Approval

-If the well becomes a producing well, the pumping unit should either be equipped with a multi-cylinder engine or a good quality muffler to reduce the noise level to nesting raptors which inhabit the area.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: WILDROSE RESOURCES

Well Name: HARBOR TOWN FEDERAL 31-30

Api No. 43-013-31758

Section: 30 Township: 8S Range: 17E County: DUCHESNE

Drilling Contractor UNION

Rig # 12

SPUDDED:

Date 3/27/97

Time 12:00 NOON

How DRY HOLE

Drilling will commence _____

Reported by KARY KALTENBACHER

Telephone # 1-303-770-6566

Date: 3/28/97 Signed: JLT

OPERATOR Wildrose Resources Corp
 ADDRESS 4949 S. Albion St
Littleton, CO 80121

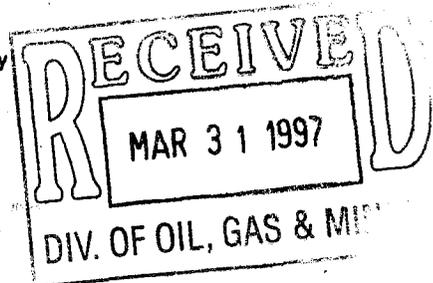
OPERATOR ACCT. NO. N 9660

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	12097	43043 31758	Harbour Town Fed. 31-30	NW/NE	30	85	17E	Duchesne	3/27/97	
WELL 1 COMMENTS: Entity added 4-1-97. <i>yc</i>											
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)

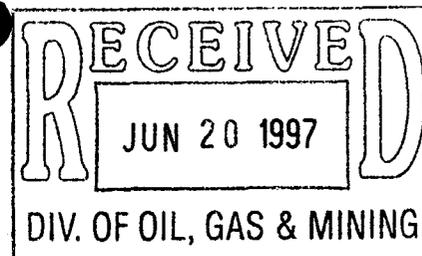
NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Kary Kaltenbach
 Signature
V.P.
 Title
3/28/97
 Date
 Phone No. (303) 770-6566

DAILY DRILLING REPORT



Operator: Wildrose Resources Corporation
Well: #31-30 Harbortown Federal
T 8 S, R 17 E, Section 30
NW NE (655' FNL, 1989' FEL), U-71368
Duchesne County, Utah
Projected TD - 6200'
Elevation: GR: 5320', KB: 5330' estimated
Contractor: Union Drilling Rig #17

03/28/97 MI & RU Leon Ross air rig. Spudded @ 1:00 PM 3/27/97. Drilled 12 1/4" hole to 50'. SDFN.

03/29/97 Drilled to 305'. SDFN.

03/30/97 Ran 7 jts (291') 8 5/8", 24#, J-55 csg w/ guide shoe & 3 centralizers. Set csg @ 301' KB. RU HOWCO. Circulated hole w/ water. Pumped 10 bbl gel water. Cemented w/ 190 sx Class 'G' cement w/ 2% gel, 2% CaCl2, & 1/4#/sk Flocele. Dropped plug. Displaced w/ 16 bbl water. Had good cement to surface. RD HOWCO. SDFN.

03/31/97 SDF Sunday.

04/01/97 RD & MO Leon Ross. Waiting on Union Drilling Rig #17.

04/04/97 Day 1: TD-301'. MI & RU Union Rig #17. NUBOP's. Pressure tested BOP's to 2000 psi. Shut down - WCO.

04/05/97 Day 2: TD-739' drlg. Drld 438' in 11 hrs w/ air/foam. Ran Bit #1, 7 7/8", SEC, 588CHF @ 301'. Bit #1 has drld 438' in 11 hrs. Surveys: 1 1/4" @ 346', 1/2" @ 645'.

04/06/97 Day 3: TD-2114' drlg. Drld 1375' in 22 1/4 hrs w/ air/foam. Bit #1 has drld 1813' in 33 1/4 hrs. Surveys: 1/2" @ 1090', 3/4" @ 1555', 1/2" @ 2055'.

04/07/97 Day 4: TD-3360' drlg. Drld 1246' in 20 1/4 hrs w/ air/foam. Bit #1 has drld 3059' in 53 1/2 hrs. Surveys: 2 1/2" @ 2500', 2" @ 3050'.

04/08/97 Day 5: TD-4300' drlg. Drld 940' in 22 3/4 hrs w/ 2% KCl substitute. Bit #1 has drld 3999' in 76 1/4 hrs. Switched to water @ 4000'. Preparing to trip. Survey: 2" @ 3550'.

04/09/97 Day 6: TD-5008' drlg. Drld 708' in 15 1/4 hrs w/ 2% KCl substitute. Pulled Bit #1 @ 4426'. Bit #1 drld 4125' in 80 hrs. Ran Bit #2, 7 7/8" HTC GT28 @ 4426' w/ mud motor. Bit #2 has drld 582' in 11 1/2 hrs. Surveys: 2 1/2" @ 4426', 1 2 1/2" @ 4950'.

04/10/97 Day 7: TD-6042' drlg. Drld 1034' in 22 hrs w/ 2% KCl substitute. Bit #2 has drld 1616' in 33 1/2 hrs. Surveys: 2 1/4" @ 5450', 1 3/4" @ 6000'.

04/11/97 Day 8: TD-6200'. WO Halliburton. Drld 158' in 4 hrs w/ 2% KCl substitute. Pulled Bit #2 @ 6200'. Bit #2 drld 1774' in 37 1/2 hrs. LDDP. RU Halliburton to log as follows:

DIL 6184'-294'
FDC-CNL 6184'-4000'

Logger's TD-6186'. Ran 5 1/2' csg as follows:

Guide shoe
1 jt 5 1/2", 15.5#, J-55, STC
Float collar
144 jts 5 1/2", 15.5#, J-55, STC

w/ 10 centralizers. Set csg @ 6104'. Circulated for 1/2 hr. RU HOWCO to cement. Pumped 10 BW, 10 bbl gel water. Pumped approx 140 sx HiFill cement when HOWCO computer failed on pump truck. Pumped 10 BW. Hooked up rig pump. Circulated cement out of hole. Now circulating. WO more cement and new pump truck.

04/12/96 Day 9: PBTD-6059'. WO Completion. RU HOWCO. Pumped 10 BW & 10 bbl gel water. Cemented w/ 380 sx 65/35 Poz cement & 450 sx thixotropic cement. Displaced w/ 144 BW w/ 2 gal/1000 Clayfix. Displaced @ 6-8 BPM. Bumped plug w/ 2000 psi. Float held. Plug down @ 9AM 4/11/97. Set slips. Released rig @ 11 AM 4/12/97.

DAILY COMPLETION REPORT

Operator: Wildrose Resources Corporation
Well: #31-30 Harbourtown Federal
T 8 S, R 17 E, Section 30
NW NE (655' FNL, 1989' FEL), U-71368
Duchesne County, Utah
TD - 6186', PBSD - 6059'
Elevation: GR: 5321', KB: 5331'
Contractor: Betts Well Service

04/18/97 Day 1: RU Western Atlas. Ran CBL from 6033'-3900' & 500' to surface. Cement top @ 100'. RD Western Atlas. MI & RU Betts Well Service. NUBOP's. SIFN.

04/19/97 Day 2: PBSD-6059'. Unloaded 204 jts (6343') of 2 7/8" tbg. Ran 4 3/4" bit & scraper on 195 jts tbg. Tagged @ 6059'. Circulated bottoms up w/ 40 bbl 2% KCl water. Pressure tstd BOP's & csg to 3500 psi. RU to swab. SWBD FL down to 5000' (107 bbls). SIFN.

04/20/97 Day 3: POH w/ tbg. RU Western Atlas. PERFORATED ZONE #1: 'Blue' sand: 5424'-5438' (14') w/ 4 JSPF (56 holes) using 4" csg gun. RD Western Atlas. TIH w/ 1 jt tbg. SN, & 176 jts tbg. Tbg @ 5505'. RU to swab. FL @ 5200'. 1st run - recovered 200' fluid - 5% oil. 2nd run - FL @ 5400' - 50' of fluid - trace of oil. 3rd run - no recovery. SIFN.

04/21/97 SDF Sunday.

04/22/97 Day 4: CP=100 psi, TP=10 psi @ 7 AM 4/21/97. RU swab. FL @ 4400'. 1st run - recovered 3 1/2 BF (5-10% oil) - gas cut. 2nd run FL @ 5000'. Recovered 1/2 BF - trace of oil. POH w/ tbg. RU HOWCO to frac down 5 1/2" csg as follows:

<u>VOLUME</u>	<u>EVENT</u>	<u>RATE</u>	<u>AVERAGE TREATMENT PRESSURE</u>
245 gal	Parachek 160	-	-
3500 gal	Pad - 85# BoraGel	20 BPM	0 psi
1000 gal	1-6 ppg 20/40 (4,540#)	22 BPM	0 psi
9000 gal	6-8 ppg 20/40 (63,040#)	22 BPM	1710 psi
1954 gal	8-10 ppg 20/40 (17,920#)	22 BPM	1490 psi
5380 gal	Flush - gelled water	22 BPM	1820 psi

Frac Volumes: 496 bbl water, 85,500# 20/40 sand. ISIP=1881 psi, 5 min=1700 psi. Started flow back. Flowed back 145 BLW in 5 hrs w/ trace of oil & gas last 1 hr. CP=0. SIFN. 351 BLWTR - Zone #1.

04/23/97 Day 5: CP=450 psi. Blew gas off. Flowed 2 BO. CP=0. TIH w/ 12 stds tbg. Well trying to flow. Circulated out oil @ top of hole w/ load water. Finished TIH w/ tbg to 4969'. Circulated hole clean w/ load water. POH w/ tbg. Ran Baker Model 'C' BP on 152 jts tbg. Set BP @ 4722'. Pulled 1 std tbg. Pressure tested BP to 3500 psi. RU to swab. Swabbed FL down to 4000' (85 BLW). POH w/ tbg. RU Western Atlas. PERFORATED ZONE #2: 'Green' sand: 4604'-16' (12') w/ 4 JSPF (48 holes) using 4" csg gun. RD Western Atlas. TIH w/ 1 jt tbg, SN, 148 jts tbg to 4629'. RU to swab. FL @ 4400'. 1st run - recovered 1/2 BF - 5% oil w/ show of gas. 2nd run - FL @ 4450' - recovered 1/2 BW. SIFN. Approx 270 BLWTR.

DAILY COMPLETION REPORT

Operator: Wildrose Resources Corporation
Well: #31-30 Harbortown Federal
T 8 S, R 17 E, Section 30
NW NE (655' FNL, 1989' FEL), U-71368
Duchesne County, Utah
TD - 6186', PBTD - 6059'
Elevation: GR: 5321', KB: 5331'
Contractor: Betts Well Service

page 2

04/24/97 Day 6: TP=0, CP=0. FL @ 4400'. 1st run - recovered 1/2 BF - est 5% oil, 2nd run - no recovery. POH w/ tbg. RU HOWCO to frac down 5 1/2" csg as follows:

<u>VOLUME</u>	<u>EVENT</u>	<u>RATE</u>	<u>AVERAGE TREATMENT PRESSURE</u>
220 gal	Parachek 160	-	-
3000 gal	Pad - 35# BoraGel	18 BPM	Load hole
1000 gal	1-6 ppg 20/40 (30# BG)	18 BPM	2900 psi
8000 gal	6-8 ppg 20/40 (30# BG,)	18 BPM	1800 psi
1919 gal	8-10 ppg 20/40 (30# BG)	18 BPM	1840 psi
4518 gal	Flush - gelled water	18 BPM	2200 psi

Zone broke @ 3740' psi. Frac volumes: 439 BW, 81,000# 20/40 sand. ISIP=2399 psi, 5 min=2335 psi. Started flow back. Flowed 150 BLW in 4 1/2 hrs. Getting some sand back, from 90-150 bbl of flow back. CP=0. SIFN. 289 BLWTR - Zone #2.

04/25/97 Day 7: CP=250 @ 7 AM 4/24/97. Flowed back 8 BLW. CP=0. Ran BP retrieving tool on 146 jts tbg. Tagged sand @ 4538'. Circulated out sand to BP @ 4730'. Circulated clean. Released BP. Circulated for 1/2 hr. POH w/ BP. Ran notched collar on 189 jts tbg. Tagged @ 5880'. LD 23 jts. Pulled tbg to 620'. SIFN.

04/26/97 Day 8: TP=10, CP=10 @ 7 AM 4/25/97. Finished POH w/ tbg. Ran 1 jt tbg, 4' perf sub, SN, 29 jts tbg, tbg anchor, 145 jts tbg. Stripped off BOP's. Set anchor w/ 12,000#. BOT @ 5451', SN @ 5414', anchor @ 4512'. RU to swab. FL @ 100'. Swabbed 101 BF (96 BLW & 5 BO) in 2 1/2 hrs. Well started flowing. Flowed approx 84 BO & 18 BLW in 2 1/2 hrs. SIFN. Approx 437 BLWTR.

04/27/97 Day 9: TP=450, CP=450 @ 7 AM 4/26/97. Opened tbg. Flowed 18 BO & 1 BLW in 1/2 hr & died. Made 9 swab runs - recovered 27 BO & 18 BLW in 1 1/4 hrs. Well started flowing. Flowed 195 BO & 5 BLW in 5 1/4 hrs. SIFN. Total recovery in 7 hrs - 240 BO & 24 BLW. 413 BLWTR.

04/28/97 SDF Sunday.

04/29/97 Day 10: TP=550, CP=400 @ 7 AM 4/27/97. Pumped 30 BO hot down tbg. Ran 2 1/2" X 1 1/2" X 12' X 15' RHAC pump, 144 - 3/4" rods (new), 71 - 7/8" rods (used w/ scrapers), 1-8' X 7/8", 1-6' X 7/8" & 1-2' X 7/8" pony rods & 1-22' X 1 1/2" polished rod. Seated pump. Loaded tbg w/ 5 BO. Pressure pump to 500 psi w/ hot oiler. Stroked pump up to 1000 psi. Released pressure. Hung well off. RD & MO rig. Hooking up battery. Oil in swab tank indicates oil cut was 20% less than previous reports.

04/30-05/02/97 Install production equipment. Started up pumping unit @ 10:30 AM 5/2/97; 6.5 SPM, 72" stroke. CP=210 psi.

05/03/97 Pumped & flowed 190 BO & 50 BLW in 22 hrs. CP=300 psi. Approx 250 BLWTR.

05/04/97 Pumped 128 BO & 12 BLW. CP=620 psi.

05/05/97 Pumped 90 & 10 BLW. CP=300 psi. 228 BLWTR.

05/06/97 Pumped 74 BO & 8 BLW. 220 BLWTR CP=250. (5 1/2 SPM)

05/07/97 Pumped 49 & 11 BLW in 12 hrs. Flowed up backside - shut off gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.

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. RESVR. Other _____

2. NAME OF OPERATOR
Wildrose Resources Corp.

3. ADDRESS OF OPERATOR
4949 S. Albion St, Littleton, CO 80121

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface *655' FNL & 1989' FEL (NW/NE)*
At top prod. interval reported below *Same*
At total depth *Same*

14. PERMIT NO. **CONFIDENTIAL**
43-013-3158

5. LEASE DESIGNATION AND SERIAL NO.
U-71368

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Harbourtown Fed.

9. WELL NO.
31-30

10. FIELD AND POOL, OR WILDCAT
Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 30, T8S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DATE SPUNDED *3/27/97* 16. DATE T.D. REACHED *4/10/97* 17. DATE COMPL. (Ready to prod.) *5/1/97* 18. ELEVATIONS (DF, REB, BT, GR, ETC.)* *5321' GR* 19. ELEV. CASINGHEAD *5321'*

20. TOTAL DEPTH, MD & TVD *6200'* 21. PLUG, BACK T.D., MD & TVD *6059'* 22. IF MULTIPLE COMPL., HOW MANY* *-* 23. INTERVALS DRILLED BY *-* ROTARY TOOLS *0'-TD* CABLE TOOLS *-*

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4604'-5438' Green River 25. WAS DIRECTIONAL SURVEY MADE
CONFIDENTIAL PERIOD *No*

26. TYPE ELECTRIC AND OTHER LOGS RUN
DIL, FDC-ENL, CBL 6-20-97 ON 6-1-98 27. WAS WELL CORRED
EXPIRED *No*

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<i>8 5/8</i>	<i>24</i>	<i>301</i>	<i>12 1/4</i>	<i>190 SX (To Surface)</i>	<i>-</i>
<i>5 1/2</i>	<i>17</i>	<i>6104</i>	<i>7 7/8</i>	<i>830 SX</i>	<i>-</i>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<i>N/A</i>				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<i>2 7/8"</i>	<i>5451'</i>	<i>No</i>

31. PERFORATION RECORD (Interval, size and number)
5424'-5438' : .45" - 56 Holes
4604-4616' : .45" - 48 Holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<i>5424-5438</i>	<i>85,500 # 20/40 sand - 496 bbl x-link gelled water</i>
<i>4606-4616</i>	<i>81,000 # 20/40 sand - 439 bbl x-link gelled water</i>

33.* DATE FIRST PRODUCTION *5/2/97* PRODUCTION METHOD *Pumpjack* PUMPING—size and type of pump *Beam* WELL STATUS (Producing or shut-in) *Producing*

DATE OF TEST *5/11/97* HOURS TESTED *24* CHOKE SIZE *-* PROD'N. FOR TEST PERIOD *-* OIL—BBL. *100* GAS—MCF. *50 (est)* WATER—BBL. *20* GAS-OIL RATIO *500*

FLOW. TUBING PRESS. *-* CASING PRESSURE *700* CALCULATED 24-HOUR RATE *-* OIL—BBL. *100* GAS—MCF. *50* WATER—BBL. *20* OIL GRAVITY-API (CORR.) *31°*

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Used for fuel, vented

35. LIST OF ATTACHMENTS
Logs, Daily Reports

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

SIGNED *Kang Keltner* TITLE *V.P.* TEST WITNESSED BY *Wilcken* DATE *6/5/97*

RECEIVED
JUN 20 1997
DIV. OF OIL, GAS & MINING

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, COMMENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				River	1803'	1803'
				Douglas Creek	5092'	5092'

CONFIDENTIAL

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.

U-71368

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA Sand Wash

8. Well Name and No.

HARBOUR TOWN FED 31-30

9. API Well No.

43-013-31758

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
--	-----------------------------------	--------------------------------

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CONFIDENTIAL

2. Name of Operator

WILDROSE RESOURCES CORP.

3. Address and Telephone No.

4949 S. ALBION ST., LITTLETON, COLORADO 80121

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

0655 FNL 1989 FEL NW/NW Section 30, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" 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 <u>Change of Operator</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.)*

Effective December 1, 1997, Inland Production Company will take over operations of the above referenced well. The previous operator was:

Wildrose Resources Corp.
4949 S. Albion St.
Littleton, CO 80121

VERNAL DIST.
ENGR.
NO.
D.S.
DATE
A.M.

Effective December 1, 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 BLM Bond No. UT0056 issued by The Hartford Insurance Group.

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

Signed

Kary Kattula

Title

V.P.

Date

3/27/98

(This space for Federal or State office use)

Approved by

NOTED

Title

Date

APR 22 1998

Conditions of approval, if any:

CC: UTAH DOGM

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.

**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.

U-71368

6. If Indian, Allottee or Tribal Name

NA

**RECEIVED
MAR 30 1998**

7. If Unit or CA, Agreement Designation

NA

Sand Wash

8. Well Name and No.

HARBOUR TOWN FED 31-30

9. API Well No.

43-013-31758

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE 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.

410 17TH ST., SUITE 700, DENVER, COLORADO 80202 (303) 893-1020

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

0655 FNL 1989 FEL NW/NW Section 30, T08S R17E

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent <input 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 Change of Operator <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 December 1, 1997, Inland Production Company will take over operations of the above referenced well. The previous operator was:

Wildrose Resources Corp.
4949 S. Albion St.
Littleton, CO 80121

VERNAL DBT.
ENG. _____
GEOL. _____
S.S. _____
PET. _____
A.M. _____

Effective December 1, 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 BLM Bond No. UT0056 issued by The Hartford Insurance Group.

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

Signed Shannon Smith Title Engineering Secretary Date 3/27/98

(This space for Federal or State office use)

Approved by **NOTED** Title _____ Date APR 22 1998

Conditions of approval, if any:
CC: UTAH DOGM

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.

OPERATOR CHANGE WORKSHEET

Routing	
1-LEC ✓	6-LEC ✓
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: 12-1-97

TO: (new operator)	<u>INLAND PRODUCTION CO</u>	FROM: (old operator)	<u>WILDROSE RESOURCES CORP</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>4949 S ALBION ST</u>
	<u>ROOSEVELT UT 84066</u>		<u>LITTLETON CO 80121</u>
Phone:	<u>(435)722-5103</u>	Phone:	<u>(303)770-6566</u>
Account no.	<u>N5160</u>	Account no.	<u>N9660</u>

***SAND WASH (GR) SEC. REC. UNIT**

WELL(S) attach additional page if needed:

Name: <u>HARBOUR TOWN 31-30</u>	API: <u>43-013-31758</u>	Entity: <u>12097</u>	S <u>30</u>	T <u>8S</u>	R <u>17E</u>	Lease: <u>U71368</u>
Name: <u>GOVERNMENT 31-2</u>	API: <u>43-013-20082</u>	Entity: <u>6300</u>	S <u>31</u>	T <u>8S</u>	R <u>17E</u>	Lease: <u>U020433</u>
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

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-26-98)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Reg. 3-27-98) (Rec'd 3-30-98)
- N/A 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: _____
- lec 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.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (4-23-98)
- lec 6. **Cardex** file has been updated for each well listed above. (4-23-98)
- lec 7. Well **file labels** have been updated for each well listed above. (4-23-98)
- lec 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. (4-23-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

OPERATOR INLAND PRODUCTION CO
 ADDRESS _____

OPERATOR ACCT. NO. N.5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
C	12097	12308	43-013-31758	HARBOUR TOWN 31-30		30	8S	17E	DUCHESNE		12-1-97
WELL 1 COMMENTS: *SAND WASH (GR) UNIT EFF 12-1-97, OPERATOR REQUEST.											
C	6300	12308	43-013-20082	GOVERNMENT 31-2		31	8S	17E	DUCHESNE		12-1-97
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.

(3/89)

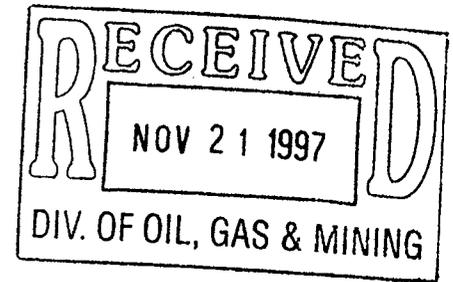
L. CORDOVA (DOGM)
 Signature
ADMIN. ANALYST Title 4-23-98 Date
 Phone No. ()



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

November 20, 1997

Inland Production Company
c/o UnitSource Incorporated
11184 Huron Street, Suite 16
Denver, Colorado 80234

Gentlemen:

The Sand Wash (Green River) Secondary Recovery Unit Agreement, Duchesne County, Utah, was approved November 20, 1997. This agreement has been designated No. UTU76788X, and is effective December 1, 1997. The unit area embraces 1,444.06 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sand Wash (Green River) Secondary Recovery Unit will be covered by your statewide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

UTU020433 *UTU50376 *UTU71368 *UTU74869

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 229-2 are fully committed.

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

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Enclosed is one copy of the approved unit agreement for your records. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

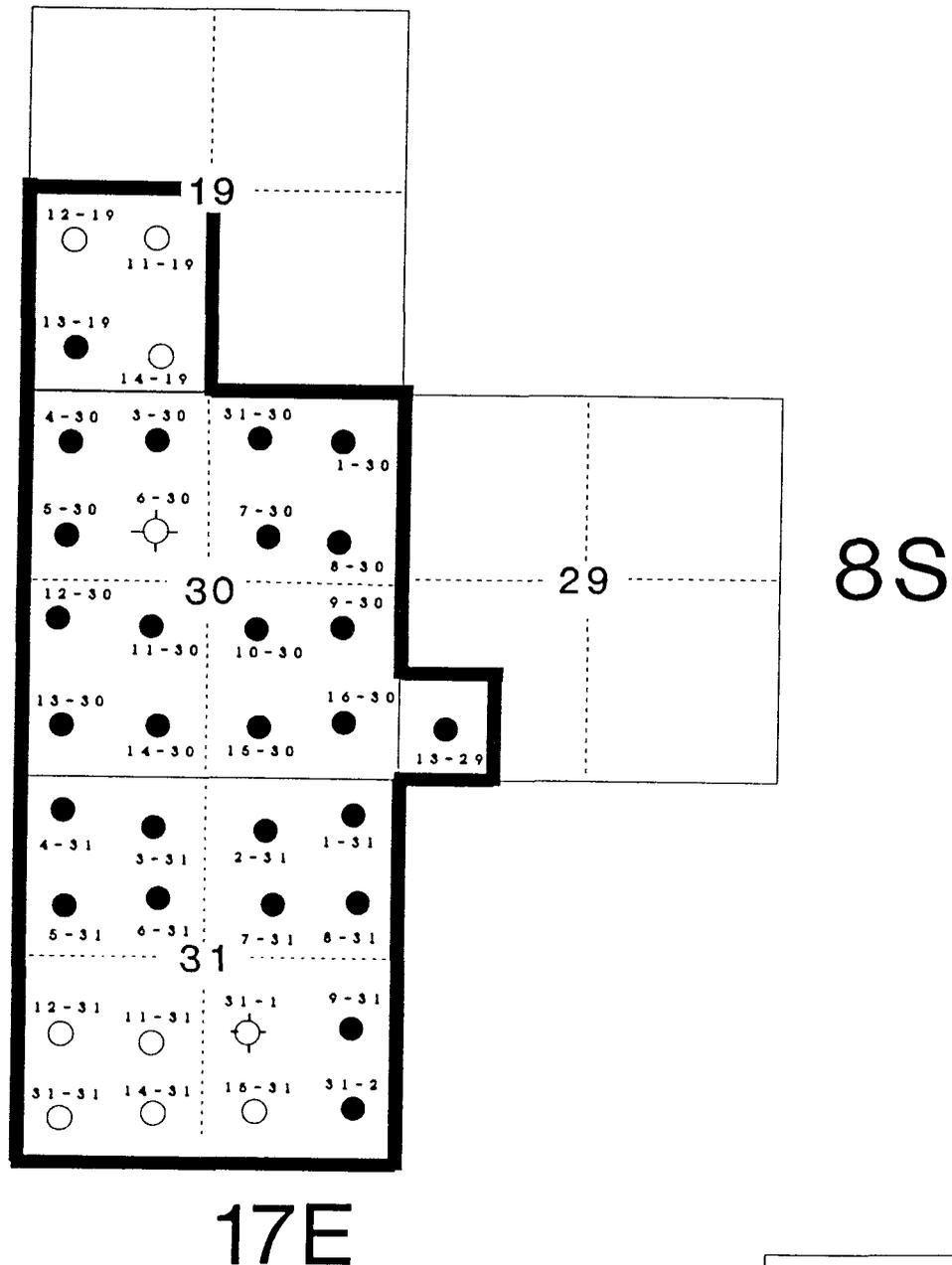
bcc: Mineral Adjudication Group w/enclosure
MMS - Data Management Division (Attn: Rose Davalos)
Trust Lands Administration
Sovereign Lands & Forestry
~~Division of Oil, Gas and Mining~~
District Manager - Vernal w/enclosure
File - Sand Wash (Green River) Unit w/enclosure
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:11/20/97

SAND WASH (GREEN RIVER) UNIT

Duchesne County, Utah

EFFECTIVE: DECEMBER 1, 1997



— UNIT OUTLINE (UTU76788X)
1,444.06 ACRES

SECONDARY ALLOCATION	
FEDERAL	96.94%
FEE	3.06%

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.

U-71368

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

HARBOUR TOWN FED 31-30

9. API Well No.

43-013-31758

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE 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.

410 17TH ST., SUITE 700, DENVER, COLORADO 80202 (303) 893-1020

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

0655 FNL 1989 FEL NW/NW Section 30, T08S R17E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Change of Operator**

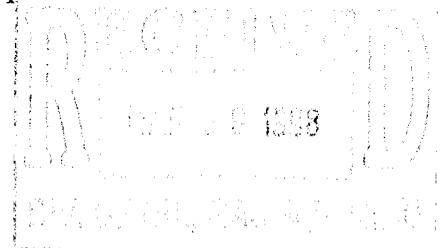
Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection
 Dispose Water

(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.)*

Effective December 1, 1997, Inland Production Company will take over operations of the above referenced well. The previous operator was:

Wildrose Resources Corp.
4949 S. Albion St.
Littleton, CO 80121



Effective December 1, 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 BLM Bond No.UT0056 issued by The Hartford Insurance Group.

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

Signed Shannon Smith Title Engineering Secretary Date 3/27/98

(This space for Federal or State office use)

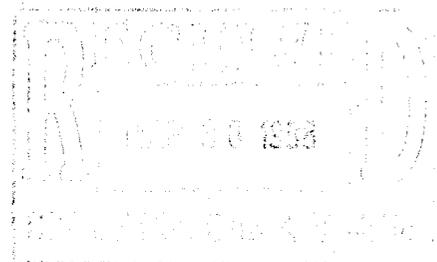
Approved by _____ Title _____ Date _____

Conditions of approval, if any:

CC: UTAH DOGM



March 27, 1997



Bureau of Land Management
Vernal District Office, Division of Minerals
170 South 500 East
Vernal, Utah 84078

Attn: Mr. Edwin I. Forsman

Re: Change of Operator

Dear Mr. Forsman:

Enclosed are the above referenced documents providing 'Change of Operator' for the Harbour Town Federal 31-30 and Govt 31-2 wells. If you should have any questions, please contact me at (303) 382-4441.

Sincerely,

Shannon Smith

Shannon Smith
Engineering Secretary

Enclosures

Cc: State of Utah, Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801
Well File - Denver
Well File - Roosevelt

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.

U-71368

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

#31-30 HARBOURTOWN FED

9. API Well No.

43-013-31758

10. Field and Pool, or Exploratory Area

MOVEMENT BUTTE

11. County or Parish, State

DUCHESNE CO, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

WILDROSE RESOURCES CORPORATION

3. Address and Telephone No.

4949 So. ALBION ST. LITTLETON, CO 80121-2003 (303) 770-6566

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

T8S, R17E, Sec 30, NW NE

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

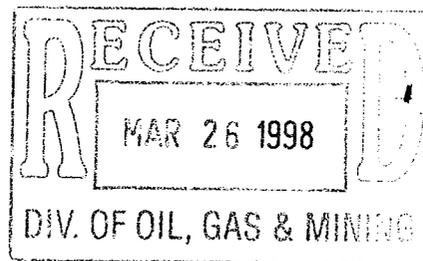
- Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other
- Change of Plans
 New Construction
 Non-Routine Fracturing
 Water Shut-Off
 Conversion to Injection

OPERATOR CHANGE

(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.)*

WILDROSE RESOURCES CORPORATION is no longer operator of the # 31-30 HARBOURTOWN FED well, which was relinquished to INLAND PRODUCTION COMPANY EFFECTIVE DEC 1, 1997. This well was put in the SAND WASH UNIT.



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

Signed Kathleen L. Cox Title PRESIDENT Date MARCH 23, 1998

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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.

U-71368

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SAND WASH (GR RVR)

8. Well Name and No.

HARBOUR TOWN FED 31-30

9. API Well No.

43-013-31758

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE 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)

0655 FNL 1989 FEL NW/NW Section 30, T08S R17E

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

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
 Subsequent Report
 Final Abandonment Notice

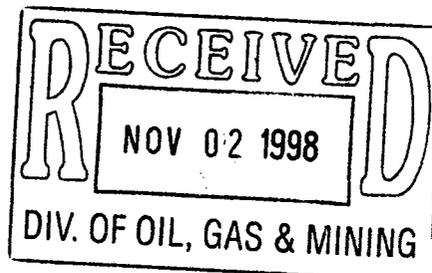
Abandonment
 Recompletion
 Plugging Back
 Casing Repair
 Altering Casing
 Other **Site Security**

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.)*

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

Harbour Town 31-30
NW/NE Sec. 30, T8S, 17E
Duchesne County
Sept. 17, 1998

Site Security Plan is held at the Roosevelt
Office, Roosevelt Utah

Production Phase:

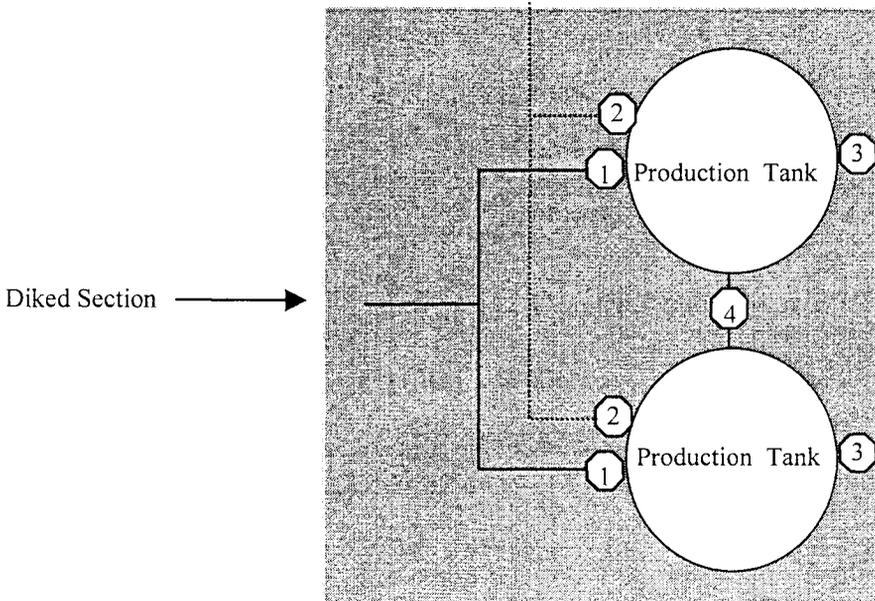
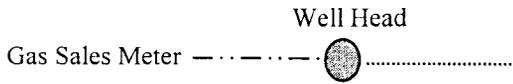
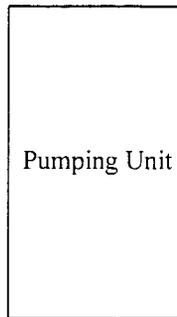
- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

Draining Phase:

- 1) Valve 3 open



Legend

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. U-71368
2. Name of Operator INLAND PRODUCTION COMPANY		6. If Indian, Allottee or Tribe Name NA
3. Address and Telephone No. Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721		7. If Unit or CA, Agreement Designation SAND WASH (GR RVR)
4. Location of Well (Footage, Sec., T., R., m., or Survey Description) 0655 FNL 1989 FEL NW/NW Section 30, T8S R17E		8. Well Name and No. HARBOUR TOWN FED 31-30
		9. API Well No. 43-013-31758
		10. Field and Pool, or Exploratory Area MONUMENT BUTTE
		11. County or Parish, State DUCHESNE COUNTY, UTA

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 checked="" type="checkbox"/> Recompletion <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.)*

Subject well had recompletion procedures initiated in the Green River formation on 10/19/02. Existing production equipment was pulled from well. A bit & scraper was ran in well. Well was cleaned out to PBTD @ 6059'. Two new Green River intervals were perforated and hydraulically fracture treated as follows: Stage #1: LODC sds @ 5812'-5823', 5891'-5908' & 5915'-5920' (all 4 JSPF) fraced down 2 7/8 N-80 tbg W/ 98,000# 20/40 mesh sand in 765 bbls Viking I-25 fluid. Stage #2: GB6 sds @ 4649'-4655', 4665'-4673' & 4681'-4688' (all 4 JSPF) fraced down 2 7/8 N-80 tbg (along with existing interval 4604'-4616') W/ 77,000# 20/40 mesh sand in 617 bbls Viking I-25 fluid. Fracs were flowed back through chokes. Frac tbg & tools were pulled from well. New intervals were swab tested for sand cleanup (along W/ existing intervals). A revised BHA & production tbg were ran and anchored in well W/ tbg anchor @ 5859', pump seating nipple @ 5924' and end of tubing string @ 5957'. A repaired rod pump and revised rod string was ran in well. Well returned to production via rod pump on 10/28/02.

14. I hereby certify that the foregoing is true and correct.
 Signed Gary Dietz Title Completion Foreman Date 10/29/2002

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by _____ Title _____ Date 10/31/2002

Conditions of approval, if any:

CC: Utah DOGM

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
OCT 31 2002
DIVISION OF
OIL, GAS AND MINING



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



Office of the Secretary of State

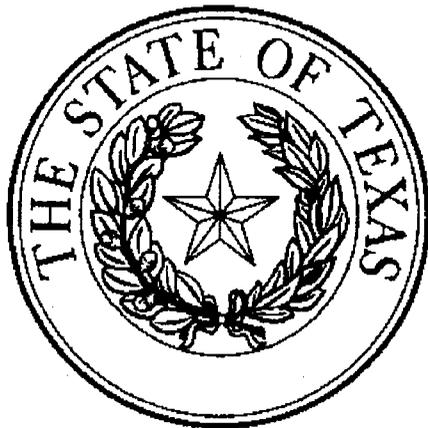
The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

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 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

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		

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 ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

APR 13 2012

Ref: 8P-W-UIC

RECEIVED

APR 26 2012

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

DIV OF OIL, GAS, & MINING

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, Colorado 80202

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

RE: Underground Injection Control (UIC)
Additional Well to Sand Wash Area Permit
EPA UIC Permit UT20847-09510
Well: Harbourtown Federal 31-30-8-17
NWNE Sec. 30-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31758

Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Harbourtown Federal 31-30-8-17 to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this 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 Sand Wash Area Permit No. UT20847-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-UIC.

Sincerely,



For Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Proposed Conversion Wellbore Schematic for Harbourtown Federal 31-30-8-17

cc: Letter Only:

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

cc: All Enclosures:

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

Reed Durfey
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 UT20847-00000

The Sand Wash Final UIC Area Permit UT20847-00000, effective May 26, 1988, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On February 17, 2012, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

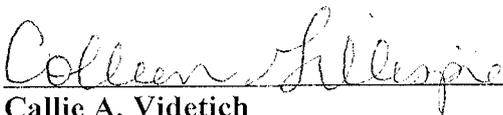
Well Name:	Harbourtown Federal 31-30-8-17
EPA Permit ID Number:	UT20847-09510
Location:	660' FNL & 1989' FEL NWNE Sec. 30-T9S-R17E Duchesne County, Utah API #43-013-31758

Pursuant to 40 CFR §144.33, Area UIC Permit UT20847-00000 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. UT20847-00000, 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: 4/17/12


Callie A. Videtich
*Acting 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*

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Harbourtown Federal 31-30-8-17

EPA Well ID Number: UT20847-09510

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. Results from a successful part I (internal) Mechanical Integrity test.

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 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 demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,340 psig., based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.731 psi/ft, SG is 1.015 and D is 4,604 ft.

UIC Area Permit No. UT20847-00000 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 parting pressure.

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. Therefore, a radioactive tracer survey is required.

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 Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have 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 Underground Sources of Drinking Water (USDW). 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 9.2 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:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug

(CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.

- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.
- (3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.
- (4) Isolate Surface Fluid Migration Paths:
 - a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
 - b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
 - c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Harbourtown Federal 31-30-8-17
EPA Well ID Number: UT20847-09510

Underground Sources of Drinking Water (USDWs): USDWs in the Sand Wash Area Permit generally occur within the Uinta Formation. 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 approximately 100 ft. below ground surface in the Harbourtown Federal 31-30-8-17 well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20847-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. However, the Cement Bond Log (CBL) does not show a sufficient interval of continuous 80 percent or greater cement bond index through the Confining Zone. Therefore, 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 301 ft. in a 12-1/4" hole, using 190 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,104 ft. in a 7-7/8" hole secured with 830 sacks of cement. Total driller depth is 6,200 ft. Plugged back total depth is 6,059 ft. EPA calculates top of cement at 655 ft. Estimated CBL top of cement is 300 ft.

Perforations: Top perforation: 4,604 ft. Bottom perforation: 5,920 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following four wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Harbourtown Federal 31-30-8-17 well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Tar Sands Federal 1-30-8-17 UIC Permit UT20847-04437.	API: 43-013-31898	NENE Sec. 30-T8S-R17E
Tar Sands Federal 3-30-8-17 UIC Permit UT20847-04431	API: 43-013-31755	NENW Sec. 30-T8S-R17E
Tar Sands Federal 7-30-8-17 UIC Permit UT20847-04430	API: 43-013-31807	SWNE Sec. 6-T9S-R17E
Tar Sands Federal 15-30-8-17 UIC Permit UT20847-04441 Radioactive Trace Survey: June 13, 2011	API: 43-013-01874	SWSE Sec. 30-T8S-R17E

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) 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.
- 2) 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 30 days following each schedule date.
- 3) (Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five 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:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) 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) 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.

Harbourtown Federal #31-30

Spud Date: 3/27/97
 Put on Production: 5/2/97
 GL: 5321' KB:

Initial Production: 100 BOPD,
 50 MCFPD, 20 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (291')
 DEPTH LANDED: 301' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 190 sxs Class "G" to surface.

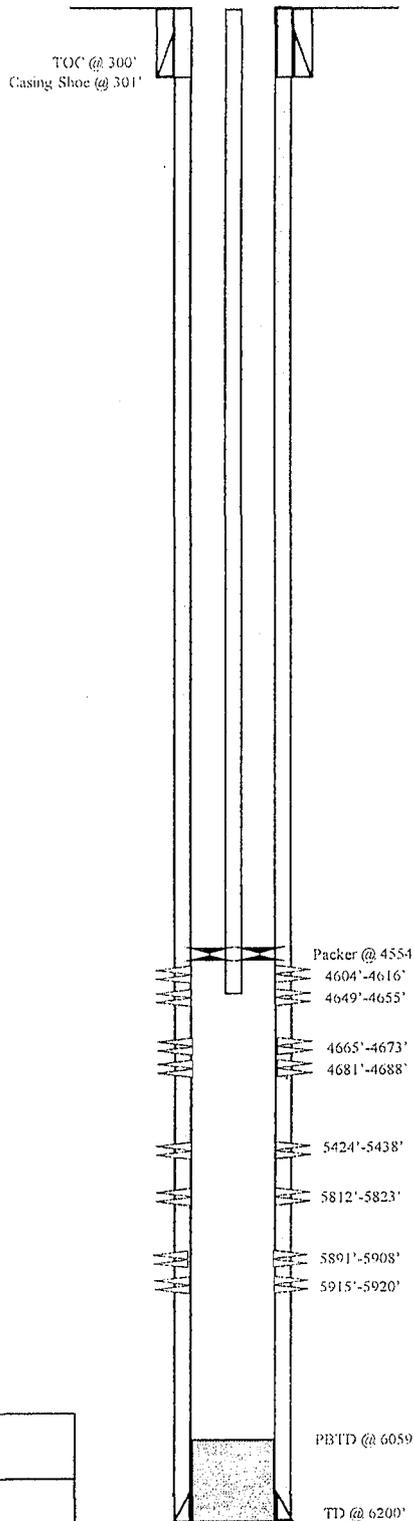
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 144 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 380 sx 65/35 POZ & 450 sx Thixotropic
 CEMENT TOP AT: 300' per CBL
 DEPTH LANDED: 6104'

TUBING

SIZE/GRADE/AWT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 187 jts (5866.40')
 TUBING ANCHOR: 5876.40' KB
 NO. OF JOINTS: 2 jts (66.88')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5946.08' KB
 NO. OF JOINTS: 1 jt (31.43')
 TOTAL STRING LENGTH EOT @ 5979.06'

Proposed Injection Wellbore Diagram



FRAC JOB

4-97	5424'-5438'	Frac as follows: 85,500# of 20/40 sand in 496 bbls of X-Link gelled water. ISIP-1881 psi, 5 min 1700 psi. Treated well w/avg press of 1700 psi w/avg rate of 22.5 BPM.
4-97	4604'-4616'	Frac as follows: 81,000# 20/40 sand in 439 bbls of X-Link gelled water. ISIP-2399 psi. Treated well w/avg press of 2250 w/avg rate of 18.5 BPM.
5/16/02		Pump change. Update rod and tubing details.
10/23/02	5812'-5920'	Frac L ODC sands as follows: 98,000# of 20/40 sand in 765 bbls of Viking I-25 fluid. Treated w/avg pressure of 3550 psi w/avg rate of 18.4 BPM. ISIP - 1950 psi. Calc flush: 1510 gal. Actual flush: 1386 gal.
10/23/02	4649'-4688'	Refrac GB4 and frac GB6 sands as follows: 77,000# of 20/40 sand in 585 bbls Viking I-25 fluid. Treated w/avg pressure of 3410 psi w/avg rate of 18.5 BPM. ISIP - 2250 psi. Calc flush: 1143 gal. Actual flush: 1092 gal.
8/22/03		Pump change. Update rod and tubing details
9/24/04		Parted rods. Update rod details.
6/3/2005		Tubing Leak, Updated rod detail
04/29/06		Tubing leak. Update rod and tubing details.
05/29/08		Parted rods. Updated tubing and rod detail

PERFORATION RECORD

4-97	5424'-5438'	4 JSPF	56 holes
4-97	4604'-4616'	4 JSPF	48 holes
10/22/02	5915'-5920'	4 JSPF	20 holes
10/22/02	5891'-5908'	4 JSPF	68 holes
10/22/02	5812'-5823'	4 JSPF	44 holes
10/22/02	4681'-4688'	4 JSPF	28 holes
10/22/02	4665'-4673'	4 JSPF	32 holes
10/22/02	4649'-4655'	4 JSPF	24 holes

NEWFIELD



Harbourtown Federal #31-30
 655 FNL & 1989 FEL
 NWNE Section 30-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31758; Lease #UTU-71368

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-71368	
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: HARBOUR TOWN FED 31-30		
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013317580000		
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0655 FNL 1989 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 30 Township: 08.0S Range: 17.0E Meridian: S	COUNTY: DUCHESNE		
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/11/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" 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 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 style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>The subject well has been converted from a producing oil well to an injection well on 07/06/2012. On 07/06/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/11/2012 the casing was pressured up to 1160 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# UT20847-09510</p>			
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 16, 2012	
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 7/12/2012	

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 7 / 11 / 12
 Test conducted by: DAVE CLOWARD
 Others present: _____

UT20847-09510

Well Name: <u>31-30-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>HARDOUR TOWN FEDERAL</u>		
Location: <u>NW/NE</u> Sec: <u>30</u> T <u>8</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>DUCHESNE</u>	State: <u>Utah</u>
Operator: <u>NEWFIELD EXPLORATION</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____	PSIG

API 43-013-31758

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: _____ psig

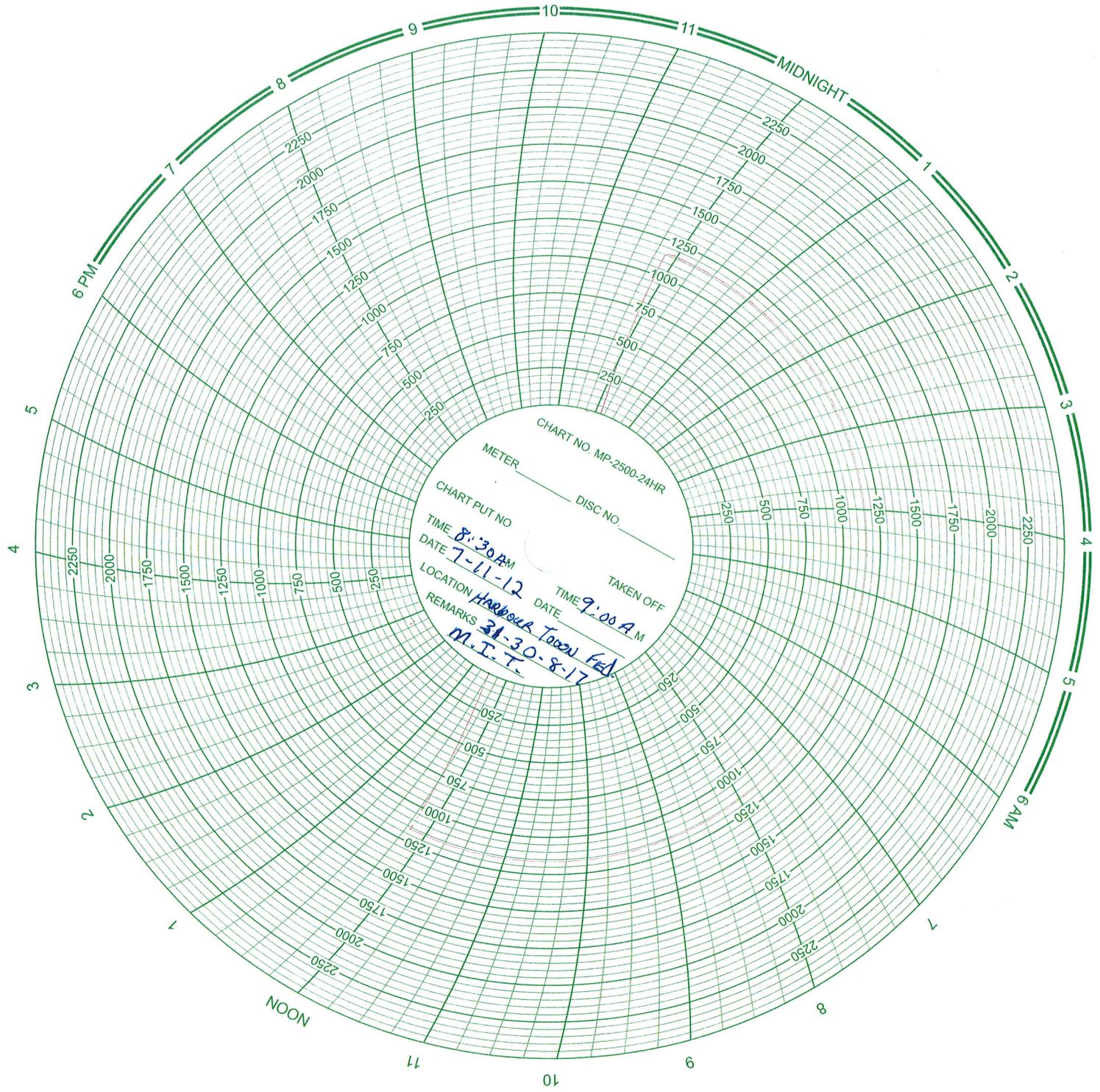
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1160</u> psig	psig	psig
5 minutes	<u>1160</u> psig	psig	psig
10 minutes	<u>1160</u> psig	psig	psig
15 minutes	<u>1160</u> psig	psig	psig
20 minutes	<u>1160</u> psig	psig	psig
25 minutes	<u>1160</u> psig	psig	psig
30 minutes	<u>1160</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<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: _____



Daily Activity Report

Format For Sundry
HRBRTWN 31-30-8-17
5/1/2012 To 9/30/2012

7/3/2012 Day: 1

Conversion

NC #3 on 7/3/2012 - MIRUSU, TOH & LD w/ rods. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 1 bbl water. Good test. Unseat rod pump. TOH & LD w/ 104- 3/4 guided rods, 50- 3/4 plain rods, 10- 3/4 guided rods. Used 60 bbls water to keep rods clean. SDFD. - Road rig to location. MIRUSU. Pump 60 bbls water down csg @ 250. Unseat rod pump. Flush tbg & rods w/ 40 bbls water @ 250. Softseat & pressure test tbg to 3000 psi w/ 1 bbl water. Good test. Unseat rod pump. TOH & LD w/ 104- 3/4 guided rods, 50- 3/4 plain rods, 10- 3/4 guided rods. Used 60 bbls water to keep rods clean. SDFD. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$5,682

7/5/2012 Day: 2

Conversion

NC #3 on 7/5/2012 - Cont to LD rods, TOH w/ tbg breaking collars. - Flush tbg & rods w/ 20 bbls water @ 250. TOH & LD w/ 69- 3/4 guided rods, 4- 1 1/2 wt bars, rod pump. X- over to tbg eq. ND wellhead. Release TA. RU rig floor. TOH breaking collars, inspecting pins, & aplying liquid o-ring w/ 146- jts 2 7/8. TOH & LD w/ 41- jts 2 7/8, TA, 2- jts 2 7/8, SN, 1- jt 2 7/8, NC. PU TIH w/ XN nipple, Arrowset Pkr, SN, 146- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Fill tbg w/ 20 bbls water. Attempt to pressure test tbg. Tbg blew @ 3000 psi. SDFD. - Flush tbg & rods w/ 20 bbls water @ 250. TOH & LD w/ 69- 3/4 guided rods, 4- 1 1/2 wt bars, rod pump. X- over to tbg eq. ND wellhead. Release TA. RU rig floor. TOH breaking collars, inspecting pins, & aplying liquid o-ring w/ 146- jts 2 7/8. TOH & LD w/ 41- jts 2 7/8, TA, 2- jts 2 7/8, SN, 1- jt 2 7/8, NC. PU TIH w/ XN nipple, Arrowset Pkr, SN, 146- jts 2 7/8. Pump 10 bbls water down tbg & drop std valve. Fill tbg w/ 20 bbls water. Attempt to pressure test tbg. Tbg blew @ 3000 psi. SDFD. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$110,978

7/6/2012 Day: 3

Conversion

NC #3 on 7/6/2012 - TOH w/ tbg looking for hole, pressure test tbg & csg. - TOH w/ 4- jts 2 7/8. Found hole in jt # 4. LD & replace 1- jt 2 7/8. TIH w/ 4- jts. Pressure test tbg to 3000 psi for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 50 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!! - TOH w/ 4- jts 2 7/8. Found hole in jt # 4. LD & replace 1- jt 2 7/8. TIH w/ 4- jts. Pressure test tbg to 3000 psi for 1 hr. Good test. RU sandline to retrieve std valve. RD sandline. RD rig floor. ND BOP. NU wellhead. Pump 50 bbls fresh water w/ pkr fluid down csg. ND wellhead. Set Pkr w/ 15000 tension. NU wellhead. Fill csg w/ 10 bbls fresh water. Pressure test csg & Pkr to 1500 psi for 1 hr. Good test. RDMOSU. READY FOR MIT!!

Daily Cost: \$0

Cumulative Cost: \$119,080

7/12/2012 Day: 4

Conversion

Rigless on 7/12/2012 - Conduct initial MIT - On 07/06/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/11/2012 the casing was pressured up to 1160 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# UT20847-09510 - On 07/06/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 07/11/2012 the casing was pressured up to 1160 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# UT20847-09510 **Finalized**

Daily Cost: \$0

Cumulative Cost: \$143,850

Pertinent Files: [Go to File List](#)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-71368
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: HARBOUR TOWN FED 31-30
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY	9. API NUMBER: 43013317580000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052	PHONE NUMBER: 435 646-4825 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0655 FNL 1989 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 30 Township: 08.0S Range: 17.0E Meridian: S	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/31/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	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 reference well was put on injection at 8:30 AM on 07/31/2012. EPA # UT20847-09510

**Accepted by the
Utah Division of
Oil, Gas and Mining**

FOR RECORD ONLY

August 06, 2012

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/31/2012	



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

JUL 23 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED

AUG 01 2012

DIV. OF OIL, GAS & MINING

Mr. Reed Durfey
District Manager
Newfield Production Company
Route 3 – Box 3630
Myton, Utah 84052

**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 UT20847-09510
Well: Harbourtown Federal 31-30-8-17
NWNE Sec. 30-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31758

Dear Mr. Durfey:

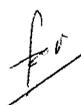
The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) July 12, 2012, letter with enclosures. The enclosed Part I (internal) Mechanical Integrity test, Well Rework Record (EPA Form 7520-12), schematic diagram and calculated pore pressure were reviewed and approved by the EPA, satisfactorily completing all Prior to Commencing Injection Requirements for UIC Permit UT20847-09510.

As of the date of this letter, Newfield is authorized to commence injection into the Harbourtown Federal 31-30-8-17 well at a Maximum Allowable Injection Pressure (MAIP) of 1,340 psig for a limited period of 180 days during which time a Radioactive Tracer Survey (RTS) is required according to UIC Permit UT20847-09510. If Newfield seeks a higher MAIP than 1,340 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 UT20847-09510.

If you have questions regarding the above action, please call Bob Near at (303) 312-6278 or (800) 227-8917, extension 312-6278. The RTS log with interpretation should be mailed to Jason Dearnorff at the letterhead address, citing mail code 8P-W-UIC.

Sincerely,


 Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Richard Jenks Jr., Councilman
Frances Poowegup, Councilwoman
Ronald Wopsock, Vice-Chairman
Phillip Chimburas, Councilman
Stewart Pike, Councilman

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
Utah Division of Oil, Gas, and Mining
Approved by the
Utah Division of
Oil, Gas, and Mining

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: U-71368
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: HARBOUR TOWN FED 31-30
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		9. API NUMBER: 43013317580000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0655 FNL 1989 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 30 Township: 08.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/29/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Step Rate Test"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on October 29, 2012. Results from the test indicate that the fracture gradient is 0.777 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1340 psi to 1550 psi. EPA UIC #UT20847-09510

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 26, 2012**

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 11/20/2012	

Step Rate Test (SRT) Analysis

Date: 10/30/2012

Operator:

Newfield Production Company

Well:

Harbourtown Federal 31-30-8-17

Permit #:

UT20847-09510

Enter the following data :

	Specific Gravity (sg) of injectate =	<u>1.015</u>	g/cc	
	Depth to top perforation (D) =	<u>4604</u>	feet	4604
Top of permitted injection zone depth (blank=use top perforation to calculate fg) =			feet	
Estimated Formation Parting Pressure (Pfp) from SRT chart =		<u>1555</u>	psi	
Instantaneous Shut In Pressure (ISIP) from SRT =		<u>1576</u>	psi	1555
Bottom Hole Parting Pressure (Pbhp) from downhole pressure recorder =			psi	no downhole

Part One - Calculation of Fracture Gradient (fg)

Calculated Fracture Gradient = 0.777 psi/ft.

where: fg = Pbhp / D (Note: this formula uses the downhole recorded bottom hole parting pressure if available) = 1576

D = depth used = 4604

Pbhp used = 3578

Calculated Bottom Hole Parting Pressure (Pbhp) = 3578 psi

3578.435

to calculate Bottom Hole Parting Pressure (Pbhp) = Formation Fracture Pressure (ISIP or Pfp) + (0.433 * SG * D)

(Uses lesser of ISIP or Pfp) Value used = 1555

Part Two - Calculation of Maximum Allowable Injection Pressure (MAIP)

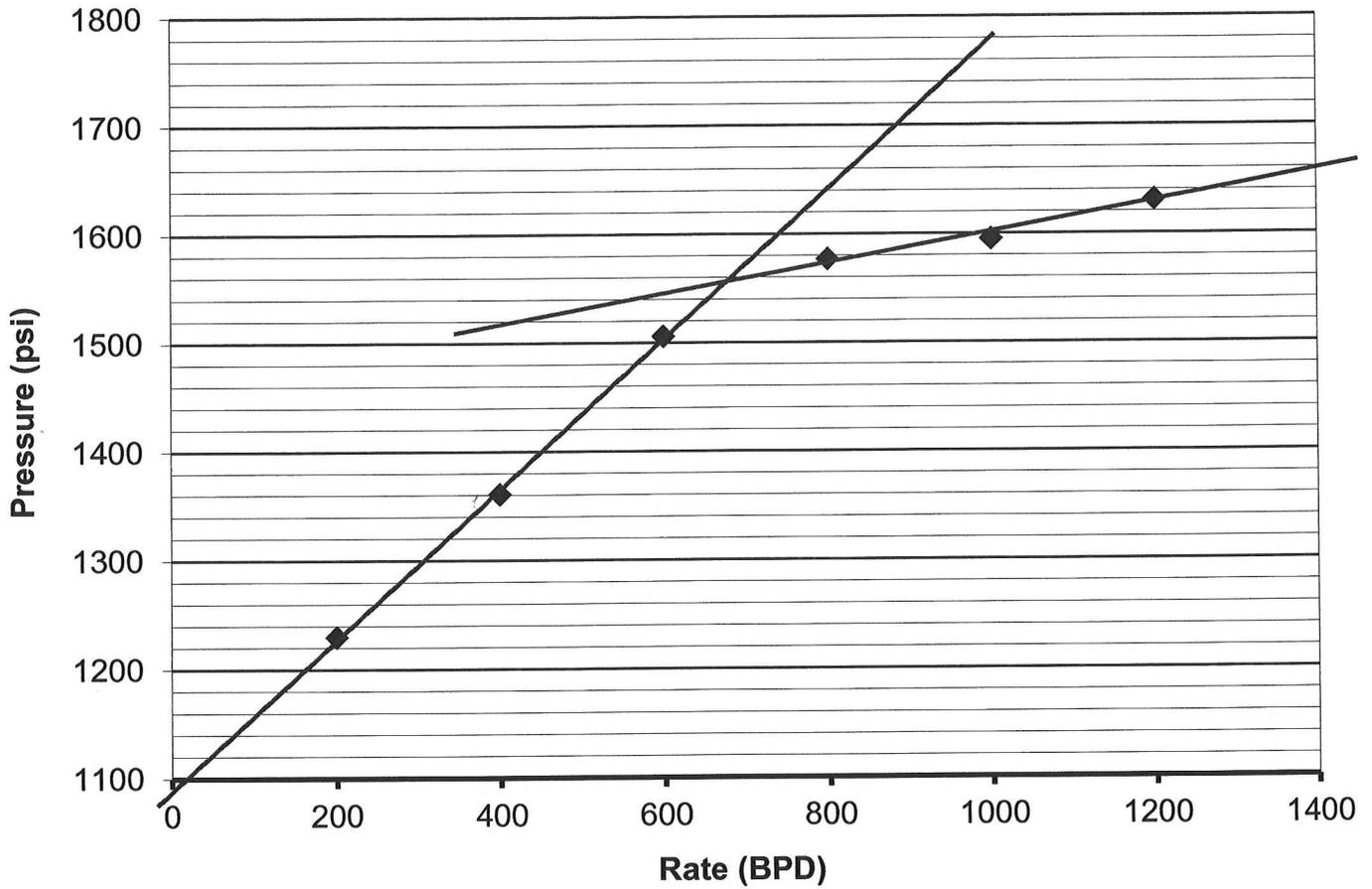
Maximum Allowable Injection Pressure (MAIP) = 1550 psig

D = depth used = 4604

MAIP = [fg - (0.433 * SG)] * D = 1553.873

(rounded down to nearest 5 psig)

**Harbourtown Federal 31-30-8-17
Greater Monument Butte Unit
Step Rate Test
October 29, 2012**



Start Pressure: 1161 psi
Instantaneous Shut In Pressure (ISIP): 1576 psi
Top Perforation: 4604 feet
Fracture pressure (Pfp): 1555 psi
FG: 0.777 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	200	1230
2	400	1361
3	600	1506
4	800	1577
5	1000	1595
6	1200	1631

Harbourtown Federal 31-30-8-17 Rate Sheet (10-29-12)

<i>Step # 1</i>	Time:	5:05	5:10	5:15	5:20	5:25	5:30
	Rate:	200.5	200.5	200.5	200.4	200.4	200.3
	Time:	5:35	5:40	5:45	5:50	5:55	6:00
	Rate:	200.3	200.3	200.3	200.3	200.2	200.2
<i>Step # 2</i>	Time:	6:05	6:10	6:15	6:20	6:25	6:30
	Rate:	400.3	400.3	400.3	400.3	400.3	400.2
	Time:	6:35	6:40	6:45	6:50	6:55	7:00
	Rate:	400.2	400.2	400.2	400.1	400.1	400
<i>Step # 3</i>	Time:	7:05	7:10	7:15	7:20	7:25	7:30
	Rate:	600.6	600.5	600.5	600.5	600.5	600.4
	Time:	7:35	7:40	7:45	7:50	7:55	8:00
	Rate:	600.4	600.3	600.3	600.3	600.2	600.2
<i>Step # 4</i>	Time:	8:05	8:10	8:15	8:20	8:25	8:30
	Rate:	800.7	800.7	800.6	800.6	800.6	800.6
	Time:	8:35	8:40	8:45	8:50	8:55	9:00
	Rate:	800.5	800.5	800.4	800.4	800.3	800.3
<i>Step # 5</i>	Time:	9:05	9:10	9:15	9:20	9:25	9:30
	Rate:	1000.4	1000.4	1000.4	1000.3	1000.3	1000.3
	Time:	9:35	9:40	9:45	9:50	9:55	10:00
	Rate:	1000.2	1000.2	1000.2	1000.1	1000	1000
<i>Step # 6</i>	Time:	10:05	10:10	10:15	10:20	10:25	10:30
	Rate:	1200.5	1200.5	1200.4	1200.4	1200.4	1200.4
	Time:	10:35	10:40	10:45	10:50	10:55	11:00
	Rate:	1200.3	1200.3	1200.3	1200.2	1200.2	1200.2
	Time:						
	Rate:						
	Time:						
	Rate:						
	Time:						
	Rate:						

Data Table Report

Report Name: PrTemp1000 Data Table
 Report Date: 10/30/2012 09:54:44
 File Name: C:\Program Files\PTC® Instruments 2.03.12\
 Harbortown 31-30-8-17 SRT (10-29-12).csv
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: N87695
 Device ID: PrTemp
 Data Start Date: Oct 29, 2012 04:30:01 AM MDT
 Data End Date: Oct 29, 2012 11:00:01 AM MDT
 Reading: 1 to 79 of 79
 Reading Rate: 30 Seconds
 Last Calibration Date: Aug 28, 2012
 Next Calibration Date: Aug 28, 2013
 Next Calibration Date: Aug 28, 2013

Harbour Town Federal 31-30-8-17 SRT (10-29-2012)

Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2 PSIA
1	Oct 29, 2012 04:30:01 AM	1164
2	Oct 29, 2012 04:35:00 AM	1163.8
3	Oct 29, 2012 04:40:01 AM	1163.6
4	Oct 29, 2012 04:45:00 AM	1163
5	Oct 29, 2012 04:50:01 AM	1162.2
6	Oct 29, 2012 04:55:00 AM	1161.4
7	Oct 29, 2012 05:00:01 AM	1161.2
8	Oct 29, 2012 05:05:01 AM	1184
9	Oct 29, 2012 05:10:01 AM	1187.4
10	Oct 29, 2012 05:15:01 AM	1192.4
11	Oct 29, 2012 05:20:00 AM	1196.4
12	Oct 29, 2012 05:25:01 AM	1200.8
13	Oct 29, 2012 05:30:00 AM	1204
14	Oct 29, 2012 05:35:01 AM	1210.2
15	Oct 29, 2012 05:40:00 AM	1214
16	Oct 29, 2012 05:45:01 AM	1220.2
17	Oct 29, 2012 05:50:01 AM	1222
18	Oct 29, 2012 05:55:01 AM	1223.8
19	Oct 29, 2012 06:00:01 AM	1230
20	Oct 29, 2012 06:05:00 AM	1269.2
21	Oct 29, 2012 06:10:01 AM	1287.6
22	Oct 29, 2012 06:15:00 AM	1298.8
23	Oct 29, 2012 06:20:01 AM	1308
24	Oct 29, 2012 06:25:00 AM	1316
25	Oct 29, 2012 06:30:01 AM	1323.8
26	Oct 29, 2012 06:35:01 AM	1332
27	Oct 29, 2012 06:40:01 AM	1337.6
28	Oct 29, 2012 06:45:01 AM	1343.8
29	Oct 29, 2012 06:50:00 AM	1349.2
30	Oct 29, 2012 06:55:01 AM	1355.4
31	Oct 29, 2012 07:00:00 AM	1361
32	Oct 29, 2012 07:05:01 AM	1407.4
33	Oct 29, 2012 07:10:00 AM	1424.4
34	Oct 29, 2012 07:15:01 AM	1435.6
35	Oct 29, 2012 07:20:01 AM	1443.8
36	Oct 29, 2012 07:25:01 AM	1452.8
37	Oct 29, 2012 07:30:01 AM	1461
38	Oct 29, 2012 07:35:00 AM	1464.2

Harbour Town Federal 31-30-8-17 SRT (10-29-2012)

Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2 PSIA
39	Oct 29, 2012 07:40:01 AM	1474.2
40	Oct 29, 2012 07:45:00 AM	1479.8
41	Oct 29, 2012 07:50:01 AM	1491.4
42	Oct 29, 2012 07:55:00 AM	1496.2
43	Oct 29, 2012 08:00:01 AM	1505.8
44	Oct 29, 2012 08:05:01 AM	1530.2
45	Oct 29, 2012 08:10:01 AM	1539.2
46	Oct 29, 2012 08:15:01 AM	1544.6
47	Oct 29, 2012 08:20:00 AM	1550.4
48	Oct 29, 2012 08:25:01 AM	1556.2
49	Oct 29, 2012 08:30:00 AM	1558.8
50	Oct 29, 2012 08:35:01 AM	1558.2
51	Oct 29, 2012 08:40:00 AM	1556.4
52	Oct 29, 2012 08:45:01 AM	1559.6
53	Oct 29, 2012 08:50:01 AM	1571
54	Oct 29, 2012 08:55:01 AM	1568.8
55	Oct 29, 2012 09:00:01 AM	1577
56	Oct 29, 2012 09:05:00 AM	1591.2
57	Oct 29, 2012 09:10:01 AM	1589
58	Oct 29, 2012 09:15:00 AM	1599
59	Oct 29, 2012 09:20:01 AM	1593.4
60	Oct 29, 2012 09:25:00 AM	1601.6
61	Oct 29, 2012 09:30:01 AM	1604.4
62	Oct 29, 2012 09:35:01 AM	1592.6
63	Oct 29, 2012 09:40:01 AM	1602.6
64	Oct 29, 2012 09:45:01 AM	1605.4
65	Oct 29, 2012 09:50:00 AM	1605
66	Oct 29, 2012 09:55:01 AM	1596
67	Oct 29, 2012 10:00:00 AM	1595.2
68	Oct 29, 2012 10:05:01 AM	1609.2
69	Oct 29, 2012 10:10:00 AM	1611.6
70	Oct 29, 2012 10:15:01 AM	1619.4
71	Oct 29, 2012 10:20:01 AM	1625
72	Oct 29, 2012 10:25:01 AM	1617.8
73	Oct 29, 2012 10:30:01 AM	1622.8
74	Oct 29, 2012 10:35:00 AM	1622.6
75	Oct 29, 2012 10:40:01 AM	1636.2
76	Oct 29, 2012 10:45:00 AM	1634.8
77	Oct 29, 2012 10:50:01 AM	1625
78	Oct 29, 2012 10:55:00 AM	1638.4
79	Oct 29, 2012 11:00:01 AM	1631.2

End of Report

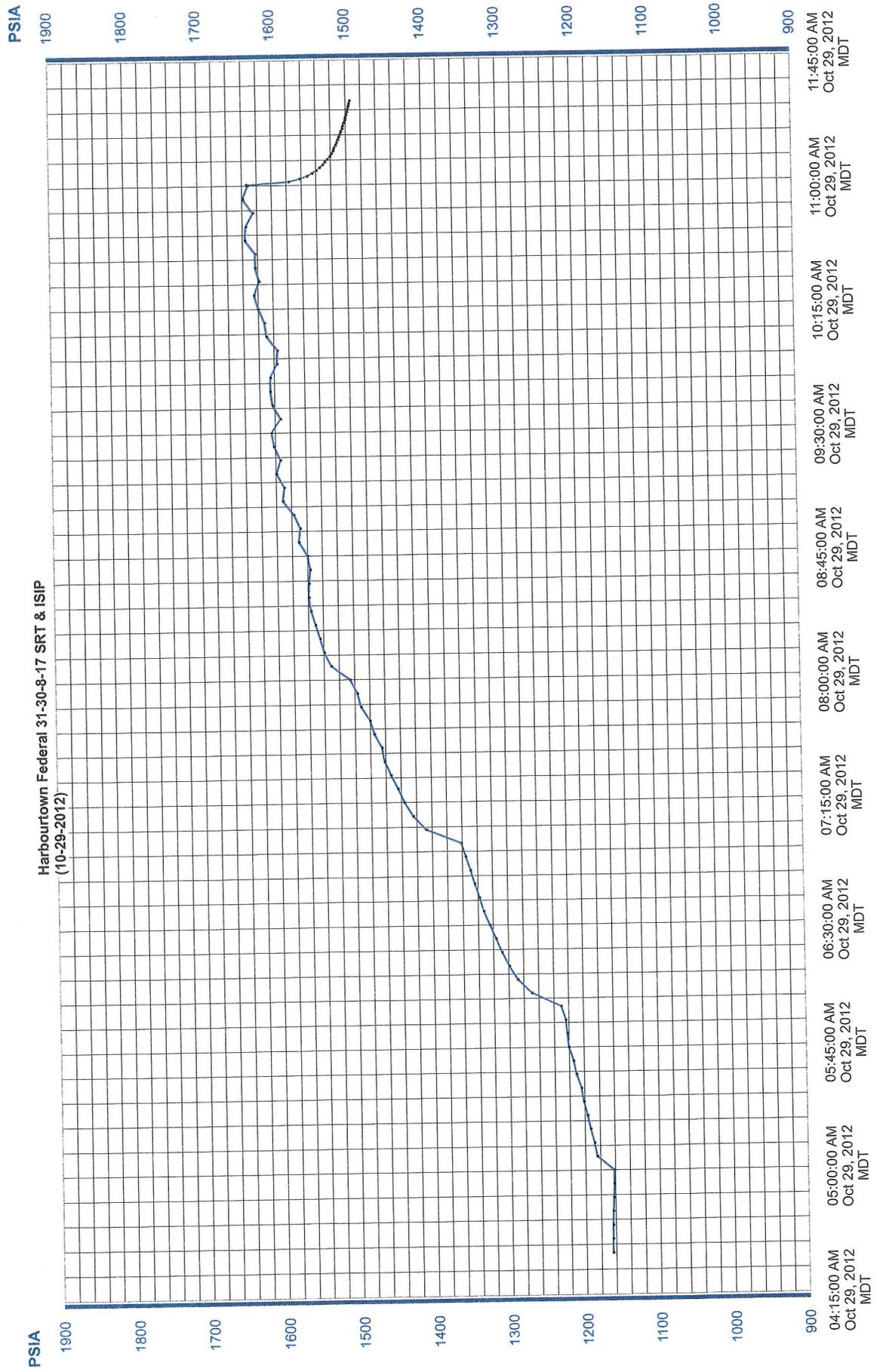
Data Table Report

Report Name: PrTemp1000 Data Table
 Report Date: 10/30/2012 09:54:58
 File Name: C:\Program Files\PTC® Instruments 2.03.12\
 Harbortown 31-30-8-17 ISIP (10-29-12).csv
 Device: PrTemp1000 - Temperature and Pressure Recorder
 Hardware Revision: REV2C (64K)
 Serial Number: N87695
 Device ID: PrTemp
 Data Start Date: Oct 29, 2012 11:00:12 AM MDT
 Data End Date: Oct 29, 2012 11:30:13 AM MDT
 Reading: 1 to 31 of 31
 Reading Rate: 30 Seconds
 Last Calibration Date: Aug 28, 2012
 Next Calibration Date: Aug 28, 2013
 Next Calibration Date: Aug 28, 2013

Harbour Town Federal 31-30-8-17 ISIP (10-29-2012)

Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2 PSIA
1	Oct 29, 2012 11:00:12 AM	1633.6
2	Oct 29, 2012 11:01:13 AM	1576.4
3	Oct 29, 2012 11:02:12 AM	1561.8
4	Oct 29, 2012 11:03:12 AM	1551.6
5	Oct 29, 2012 11:04:13 AM	1544.8
6	Oct 29, 2012 11:05:12 AM	1538.8
7	Oct 29, 2012 11:06:12 AM	1534.2
8	Oct 29, 2012 11:07:13 AM	1530
9	Oct 29, 2012 11:08:13 AM	1527
10	Oct 29, 2012 11:09:12 AM	1523.8
11	Oct 29, 2012 11:10:13 AM	1520.6
12	Oct 29, 2012 11:11:13 AM	1518.4
13	Oct 29, 2012 11:12:12 AM	1516.2
14	Oct 29, 2012 11:13:12 AM	1515
15	Oct 29, 2012 11:14:13 AM	1512.8
16	Oct 29, 2012 11:15:12 AM	1511.4
17	Oct 29, 2012 11:16:12 AM	1509.8
18	Oct 29, 2012 11:17:13 AM	1508.4
19	Oct 29, 2012 11:18:12 AM	1506.6
20	Oct 29, 2012 11:19:12 AM	1505.6
21	Oct 29, 2012 11:20:13 AM	1504
22	Oct 29, 2012 11:21:12 AM	1503.2
23	Oct 29, 2012 11:22:12 AM	1501.8
24	Oct 29, 2012 11:23:13 AM	1500.4
25	Oct 29, 2012 11:24:13 AM	1499.8
26	Oct 29, 2012 11:25:12 AM	1498.8
27	Oct 29, 2012 11:26:13 AM	1497.4
28	Oct 29, 2012 11:27:13 AM	1496.6
29	Oct 29, 2012 11:28:12 AM	1495.8
30	Oct 29, 2012 11:29:12 AM	1495
31	Oct 29, 2012 11:30:13 AM	1494

End of Report





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

1595 Wynkoop Street
Denver, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

DEC 06 2012

Ref: 8P-W-UIC

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

Mr. Reed Durfey
District Manager
Newfield Production Company
Route 3-Box 3630
Myton, Utah 84502

RE: Underground Injection Control (UIC)
Authorization to Continue Injection with
Minor Permit Modification
EPA UIC Permit UT20847-09510
Well: Harbourtown Federal 31-30-8-17
NWNE Sec. 30-T8S-R17E
Duchesne County, Utah
API No.: 43-013-31758

Dear Mr. Durfey:

The U.S. Environmental Protection Agency Region 8 has received Newfield Production Company's (Newfield) November 16, 2012, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Harbourtown Federal 31-30-8-17 well. Newfield's interpretation of the enclosed Step Rate Test data concluded the fracture gradient to be 0.777 psi/ft. However, an EPA analysis determined the fracture gradient in this area to be 0.699 psi/ft., resulting in a calculated MAIP of 1,190 psig. The enclosed Radioactive Tracer Survey was reviewed and approved by the EPA. The MAIP for UIC Permit UT20847-09510 is hereby decreased to 1,190 psig from the 1,340 psig previously authorized.

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA's UIC Technical Enforcement Program. Therefore, please direct all monitoring and compliance correspondence to Sarah Roberts at the following address, referencing the well name and UIC Permit number on all correspondence:

Sarah Roberts
U.S. EPA Region 8: 8ENF-UFO
1595 Wynkoop Street
Denver, Colorado 80202-1129

Or, you may reach Ms. Roberts by telephone at (303) 312-7056 or (800) 227-8927, extension 312-7056. Please remember that it is your responsibility to be aware of, and to comply with, all conditions of injection well Permit UT20847-09510.

If you have questions regarding the above action, please call Jason Deardorff at (303) 312-6583 or (800) 227-8917, extension 312-6583.

Sincerely,



 Derrith Watchman-Moore
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Irene Cuch, Chairwoman
Richard Jenks, Jr., Councilman
Frances Poowegup, Councilwoman
Ronald Wopsock, Vice-Chairman
Phillip Chimburas, Councilman
Stewart Pike, Councilman

Johnna Blackhair
BIA - Uintah & Ouray Indian Agency

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Eric Sundberg, Regulatory Analyst
Newfield Production Company

Spud Date: 3/27/97
 Put on Production: 5/2/97
 GL: 5321' KB:

Harbourtown Federal 31-30-8-17

Initial Production: 100 BOPD.
 50 MCFPD, 20 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts (291')
 DEPTH LANDED: 301' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 190 sxs Class "G" to surface.

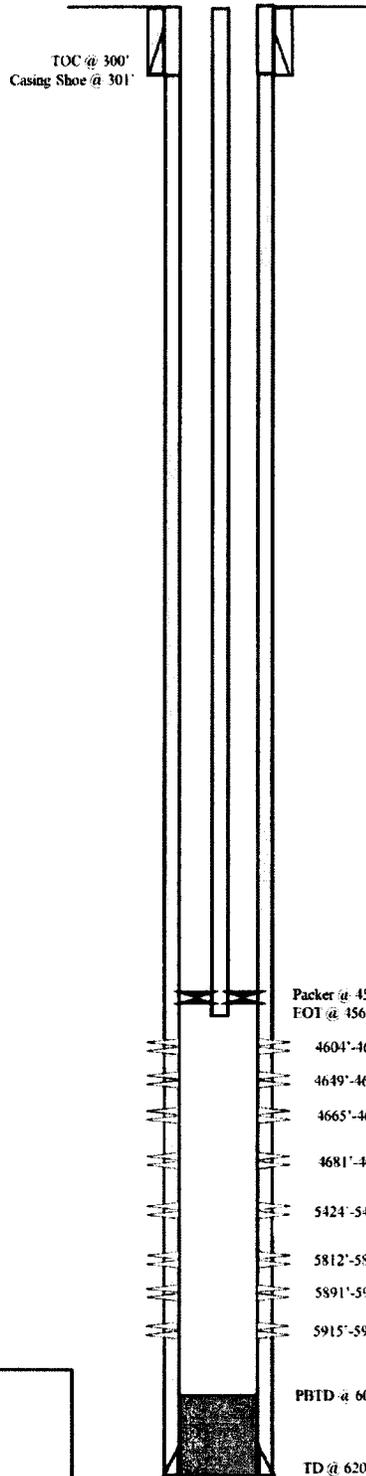
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 17#
 LENGTH: 144 jts
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 380 sxs 65-35 POZ & 450 sxs Thixotropic
 CEMENT TOP AT: 300' per CBL
 DEPTH LANDED: 610'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 146 jts (4547.6')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4557.6' KB
 ON/OFF TOOL AT: 4558.7'
 PACKER CE @ 4563.31'
 TOTAL STRING LENGTH: FOT @ 4569'

Injection Wellbore
 Diagram



FRAC JOB

4-97 5424'-5438' Frac as follows:
 85,500# of 20/40 sand in 496 bbls of X-Link gelled water. ISIP-1881 psi, 5 min 1700 psi. Treated well w/avg press of 1700 psi w/avg rate of 22.5 BPM.

4-97 4604'-4616' Frac as follows:
 81,000# of 20/40 sand in 439 bbls of X-Link gelled water. ISIP-2399 psi. Treated well w/avg press of 2250 w/avg rate of 18.5 BPM.

5/16/02 Pump change. Update rod and tubing details.

10/23/02 5812'-5920' Frac LODC sands as follows:
 98,000# of 20/40 sand in 765 bbls of Viking 1-25 fluid. Treated w/avg pressure of 3550 psi w/avg rate of 18.4 BPM. ISIP - 1950 psi. Calc flush: 1510 gal. Actual flush: 1396 gal.

10/23/02 4649'-4688' Refrac GB4 and frac GB6 sands as follows:
 77,000# of 20/40 sand in 585 bbls Viking 1-25 fluid. Treated w/avg pressure of 3410 psi w/avg rate of 18.5 BPM. ISIP - 2250 psi. Calc flush: 1143 gal. Actual flush: 1092 gal.

8/22/03 Pump change. Update rod and tubing details.

9/24/04 Parted rods. Update rod details.

6/3/2005 Tubing Leak. Updated rod detail.

04/29/06 Tubing leak. Update rod and tubing details.

05/29/08 Parted rods. Updated tubing and rod detail.

07/06/12 Convert to Injection Well

07/11/12 Conversion MIT Finalized - update thg detail

PERFORATION RECORD

4-97	5424'-5438'	4 JSPF	56 holes
4-97	4604'-4616'	4 JSPF	48 holes
10/22/02	5915'-5920'	4 JSPF	20 holes
10/22/02	5891'-5908'	4 JSPF	68 holes
10/22/02	5812'-5823'	4 JSPF	44 holes
10/22/02	4681'-4688'	4 JSPF	28 holes
10/22/02	4665'-4673'	4 JSPF	32 holes
10/22/02	4649'-4655'	4 JSPF	24 holes

NEWFIELD

Harbourtown Federal 31-30-8-17
 655 FNL & 1989 FEL
 NWNE Section 30-T8S-R17E
 Duchesne Co, Utah
 API #43-013-31758; Lease #UTU-71368