

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
U-28212

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#33-6-F

10. FIELD AND POOL, OR WILDCAT
Wildcat HORSESHOE

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA BEND

Sec. 33, T6S, R21E, SLM

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

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
Alta Energy Corporation

3. ADDRESS OF OPERATOR
P.O. Box 767, Vernal, Utah 84078 (801) 789-7701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
2140' FWL 2140' FNL Section 33, T6S, R21E, S.L.B.&M.
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
26.4 Miles South of Vernal, Utah by road

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
2140'

16. NO. OF ACRES IN LEASE
440

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.
7400' *Wasatch*

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4947'

22. APPROX. DATE WORK WILL START*
A.S.A.P.

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"	32# K-40	350'	Circulate to surface
7 7/8"	5 1/2"	15.5# J-55	7375'	Cement to above oil shale base approximately 2500'

See Attachments

- 10 Point B.O.P.
- Location Plat
- 13 Point Surface Use Plan
- Cut Sheet
- Topo Map "A"
- Topo Map "B"

RECEIVED
NOV 06 1986

DIVISION OF
OIL, GAS & MINING

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 [Signature] TITLE Prod. Supt. DATE 11-3-86

(This space for Federal or State office use)

PERMIT NO. 43-047-31769 APPROVAL DATE APPROVED BY THE STATE

APPROVED BY _____ TITLE _____ OF UTAH DIVISION OF OIL, GAS, AND MINING

CONDITIONS OF APPROVAL, IF ANY:

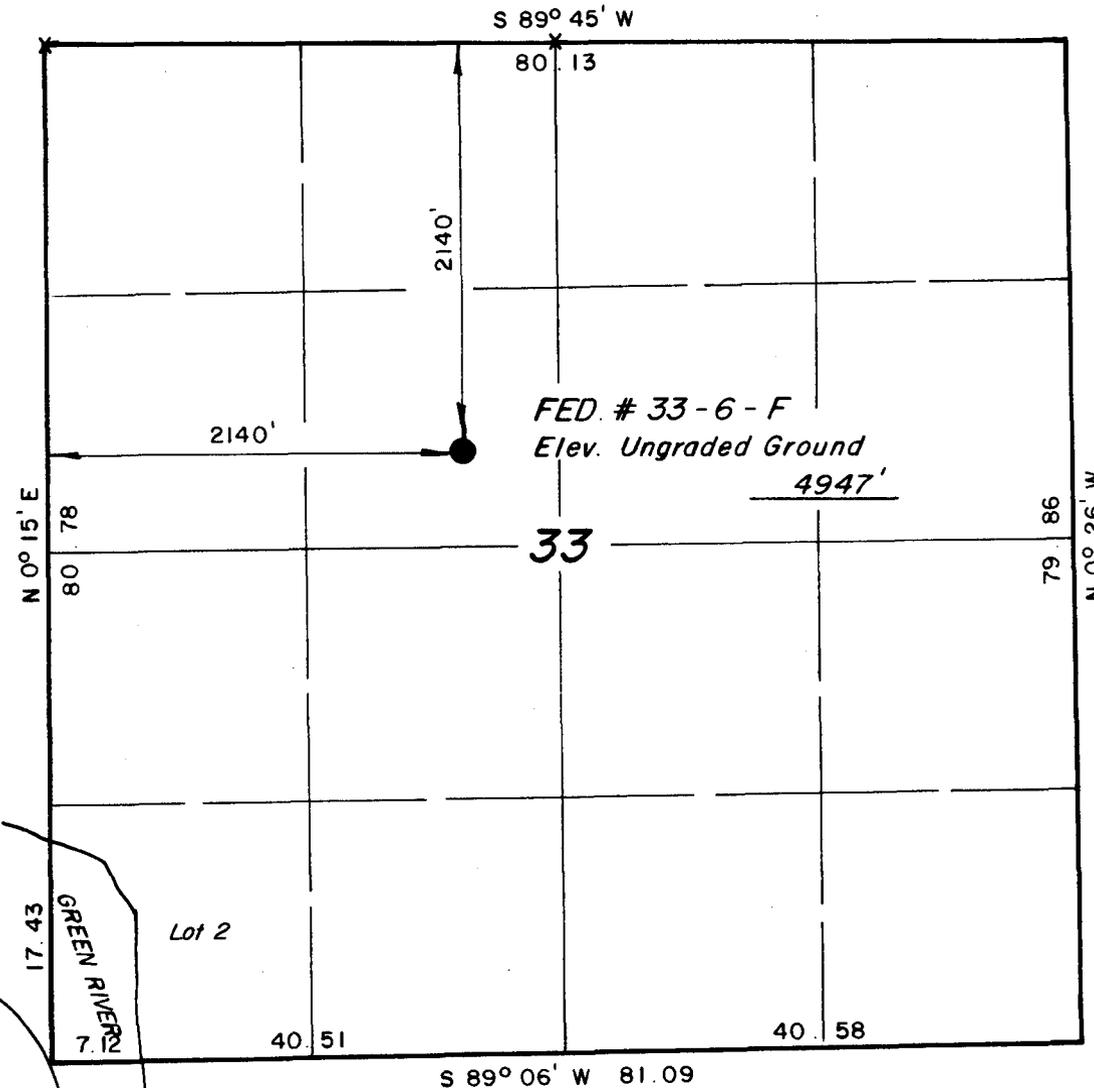
DATE: 11-13-86
BY: John R. Baya

*See Instructions On Reverse Side WELL SPACING: 127-4 7-26-85

T6S, R21E, S.L.B.&M.

PROJECT
ALTA ENERGY CORP.

Well location, FED. # 33-6-F,
located as shown in the SE 1/4 NW 1/4
Section 33, T6S, R21E, S.L.B.&M.
Uintah County, Utah.



CERTIFICATE

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

Robert J. Marshall

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q - 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10/6/86
PARTY DA RP BFW	REFERENCES GLO Plat
WEATHER Fair	FILE ALTA

X = Section Corners Located

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company: ALTA ENERGY CORPORATION

Well No. Federal #33-6-F

Location: Section 33, T6S, R21E, S.L.B.& M.

Lease No.: U-28212

Onsite Inspection Date: October 14, 1986

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

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Uinta Surface; Green River 3800'; Wasatch 7365'; T.D. 7400'

2. Estimated Depth at which Oil, Gas, Water, or other Mineral Bearing Zones are Expected to be encountered:

	<u>Formation</u>	<u>Zone</u>
Expected Oil Zones:	Wasatch	F - L
Expected Gas Zones:	Wasatch	F - L
Expected Water Zones:	None	
Expected Mineral Zones:	None	

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

3. Pressure Control Equipment:

3000# Double Gage BOP with Pipe Ram and Blind Ram 8 5/8" with rotating head.

5 1/2 Production Single Stage from T.D. to above Oil Shale.

ALTA ENERGY CORPORATION
Federal #33-6-F
Section 33, T6S, R21E, S.L.B. & M.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

8 5/8" 32# K-40 350' cement to surface

5 1/2" 15.5# J-55 7400' cement to above oil shale base + 2500'

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

Clear water 4000' 3% KCL to T.D.

6. Coring, Logging and Testing Program:

No coring anticipated.

Dual induction laterolog T.D. to surface.

Compensated Density T.D. surface. Neutron Log, Bond Log T.D. to surface.

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 authorized officer(AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

None

8. Anticipated Starting Dates and Notifications of Operations:

Location Construction: Immediately upon approval.

Spud Date: A.S.A.P. after pad and road are completed.

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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.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular working day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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.

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 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

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

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.4.

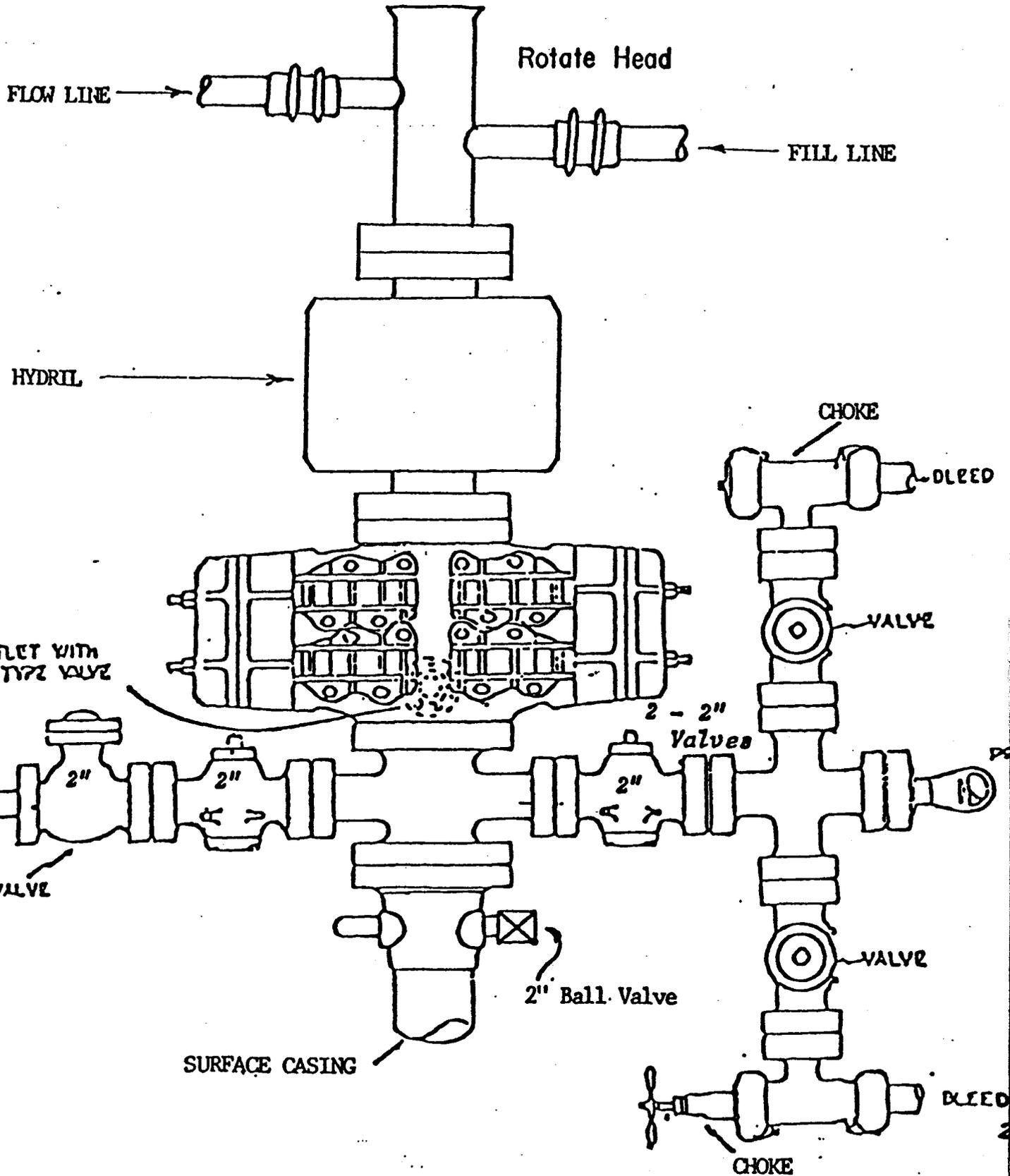
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A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without 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 SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 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.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

ALTA ENERGY CORP.



CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL
FOR
ALTA ENERGY CORPORATION
FEDERAL #33-6-F
LEASE #U-28212
LOCATED IN THE SE 1/4 NW 1/4
SECTION 33, T6S, R21E, S.L.B. & M.

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Existing Roads -- describe the following and provide a legible map, labeled and showing:
 - A. Proposed wellsite as staked and access route to location, including distances from point where access route exits established roads. (See topo map) (Actual staking should include two directional reference stakes.)
 - B. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road. Proceed Southerwesterly from Vernal, Utah on Utah Highway 264 16 miles to a dirt road to the west; proceed west on dirt county road 10.4 miles to access road.
 - C. Access road(s) to location color-coded or labeled. (see topo map)
 - D. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.) (N/A)

2. Planned Access Roads -- describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
 - A. Length - 350 feet
 - B. Width - 30 foot right-of-way (flat bladed).
 - C. Maximum grades - 2%
 - D. Turnouts - None needed
 - E. Drainage design - N/A
 - F. Location and size of culverts and/or bridges and brief description of any major cuts and fills - N/A
 - G. Surfacing material (source) - None, existing on location material
 - H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - None
 - I. Access road surface ownership - B.L.M.

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 USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

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The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 20 feet 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 diverting 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.

X The operator/lessee or his successor shall be responsible for all maintenance on cattleguards or gates associated with this and/or gas operation.

3. Location of Existing Wells -- describe the following and provide a map or plat of all wells within a one mile radius of the proposed well location showing and identifying existing:

A. Water wells	None
B. Abandoned wells	Two
C. Temporarily abandoned wells	None
D. Disposal wells	None
E. Drilling wells	None
F. Producing wells	Four
G. Shut-in wells	None
H. Injection wells	None

4. Location of Existing and/or Proposed Facilities

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 1 1/2 times the storage capacity of the battery. The integrity of the dike must be maintained.

Tank batteries will be placed by point #6 on the southwest side 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 six months of installation. Facilities required to comply with O.S.H.A. (Occupation Safety and Health Act) will be excluded.

The required paint color is Desert Brown (10 YR 6-3).

5. Location of Type of Water Supply

A. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description from the Green River west of location in the NE 1/4 SE 1/4 Section 31, T6S, R21E, S.L.M.

B. State method of transporting water, and show any roads or pipelines needed. Water will be hauled by truck over existing dirt road approximately 1.5 miles.

C. If water well is to be drilled on lease, so state. N/A

*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials

A. Show information either on map or by written description -
On location (B.L.M.)

B. Describe where materials such as sand, gravel, stone, and soil materials are to be obtained and used. on site

*If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

*A minerals material application is not required.

7. Methods for Handling Waste Disposal

A. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:

- (1) Cuttings - Reserve Pit
- (2) Sewage - Chemical Toilet
- (3) Garbage (trash) and other waste material: Contained in wire basket and hauled to landfill.
- (4) Salts - Reserve Pit
- (5) Chemicals - Reserve Pit

B. Provide a plan for eventual disposal of drilling fluids and any produced oil or water recovered during testing operations. These will be contained in pit until dry, and then covered with earth, hazardous wastes will be hauled by truck to the nearest hazardous waste dump.

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

*Pits are not to be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls, unless otherwise herein provided.

On BLM administered lands:

The reserve pit will be lined. It will be lined with sufficient gel to prevent seepage.

*If the pit is lined, it shall be constructed so as not to leak, break, or allow discharge.

Produced waste water will be confined to the reserve pit or, if deemed necessary, a storage tank for a period not to exceed 90 days after first production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will 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. Identify all proposed camps and airstrips on a map as to their location, and area required, and construction methods. (Camp center and airstrip centerlines to be staked on the ground).

X Camp facilities or airstrips will not be required.

9. Well Site Layout -- provide a plat (not less than 1" = 50') showing:

- A. Cross-sections of proposed drill pad with approximate cuts and fills and the relation to topography. (see cut sheet)
- B. Location of mud tanks, reserve, blooie, and emergency pits, pipe racks, living facilities, and soil material stockpiles, etc. (Approval as used in this section means field approval of location.) (see layout sheet)
- C. Rig orientation, parking areas, and access roads, etc. (see layout sheet)

All pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until clean-up.

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

Well Site Layout: The reserve pit will be located on the: Southeast side of the location.

The stockpiled topsoil will be stored on the southwest corner of location by point #6.

Access to the well pad will be from the: West near point #7.

10. Plans for Restoration of Surface

A. Provide a restoration program upon completion of operations, including:

- (1) Backfilling, leveling, recontouring, and waste disposal; segregation of topsoil from cut materials as needed.
- (2) Revegetation and rehabilitation--including abandoned access roads or portions of well pads no longer needed (normally per BLM recommendations)
- (3) Proposed timetable for commencement and completion of rehabilitation operations.

B. The following are provisions to be addressed in the restoration plan:

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

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within 180 days from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

An appropriate seed mixture will be determined by the BLM, either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

All seeding will be done from September 15 until the ground freezes.

At such time as the well is plugged and abandoned the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixture and reseeding requirements.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

The BLM recommends the following procedure for reclamation:

Compacted areas of the well pad should be plowed or ripped to a depth of 12" before reseeding. Seeding should be done with a disc-type drill to ten inches apart. The seed should be planted between one-half inch deep and three quarter inch deep. A drag, packer or-roller may be used to insure uniform coverage of the seed, and adequate compaction. Drilling of the seed should be done on the contour where possible. Where slopes are too steep for contour drilling a "cyclone" hand-seeder or similar broadcast seeder should be used, using twice the recommended seed per acre. Seed should then be covered to a depth described above by what-ever means is practical.

11. Surface Ownership: B.L.M.

Provide the surface ownership (Federal, Indian, State or private) at the well location, and for all lands crossed by roads which are to be constructed or upgraded.

Where the surface of the well site is privately owned, the operator shall provide the name, address, and, if known, telephone number of the surface owner.

12. Other Additional Information

The BLM recommends a general description of:

- A. Topography, soil characteristics, geologic features, flora, and fauna. The topography of the area is relatively flat, above the Green River approximately 2500' west of the location. Vegetation consists of sagebrush, grasses and other desert varieties. Animals consist of rabbits, deer and other small rodents.
- B. Other surface-use activities and surface ownership of all involved lands - Grazing of domestic livestock.
- C. Proximity of water, occupied dwellings, archaeological, historical or cultural sites. The green river is located approximately 2500' Southwest of the location. No other archaeological, historical or cultural sites are found.

A cultural resource clearance will be required before any construction begins on Federal and Indian lands. However, historic and cultural resource work shall be undertaken only with the written consent of a private surface owner. If the private surface owner refuses entry for that purpose, the lessee or operator shall use its best efforts to conduct its approved operations in a manner that avoids adverse effects on any properties which are listed, or may be eligible for listing, in the NRHP.

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If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the Surface Mangement Agency.

On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for use prior to application.

Additional Surface Stipulations for BLM, BIA, FS, DWR, or Private Surface Lands:

The operator or his contractor shall contact the BLM Offices at (801) 789-1362 (BLM) between 24 and 48 hours prior to construction activities.
Contact Gregg Darlington.

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

X Blooie pit will be located west of the reserve pit 100' minimum from the rig.

13. Lessee's or Operators Representative and Certification

Representative

Name: Alta Energy Corporation

Address: Drawer 767, Vernal, Utah 84078

Phone No. (801) 789-7701

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 the field representative to insure compliance.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

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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 Alta Energy 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.

11-3-86

Date

Earl Staley Mod. Supt.

Name and Title

Onsite Date: October 15, 1986

Participants on Joint Inspection

Gregg Darlington _____

Brad Weber _____

Earl Staley _____

ALTA ENERGY CORP.

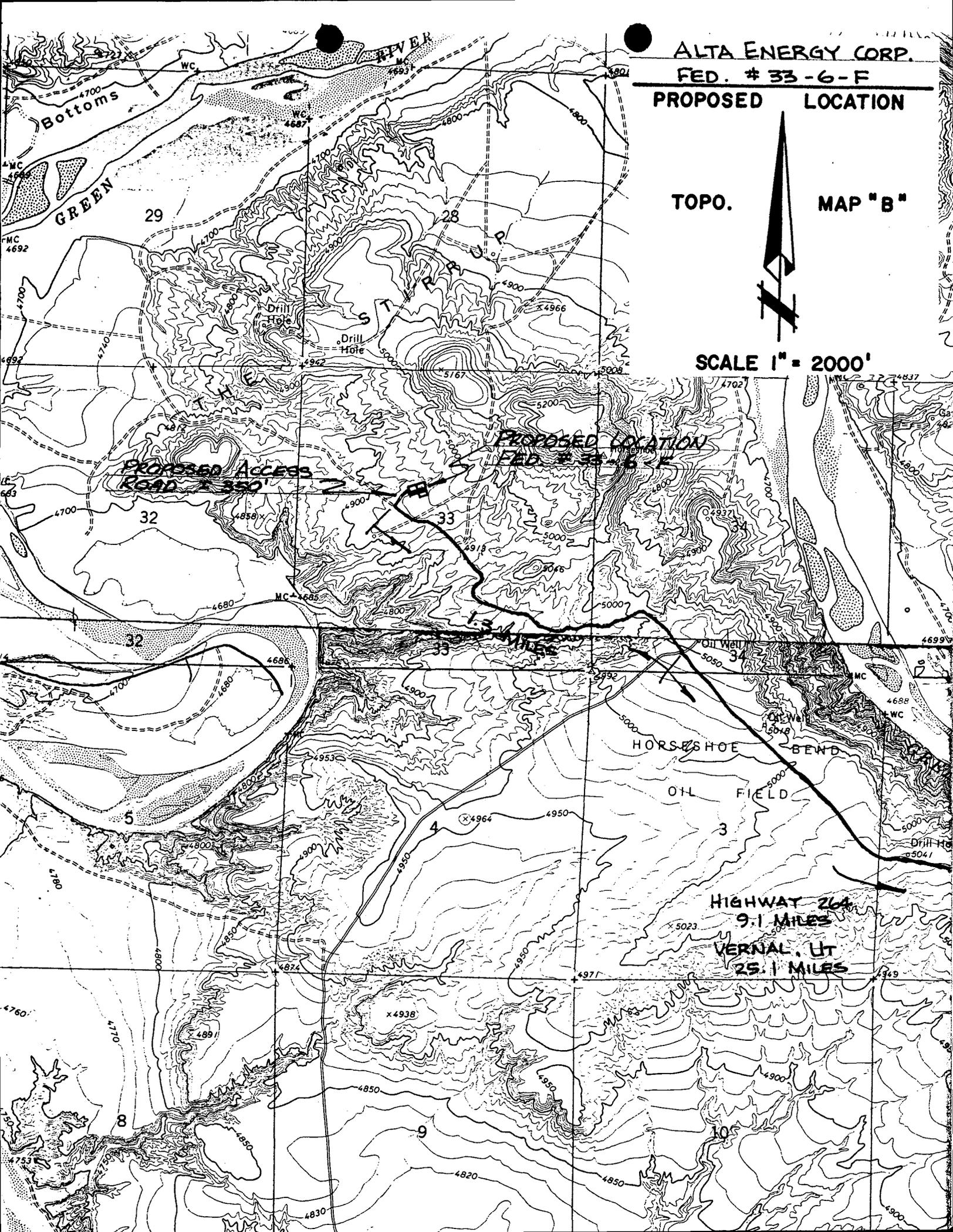
FED. # 33-6-F

PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'



PROPOSED ACCESS ROAD 350'

PROPOSED LOCATION
FED. # 33-6-F

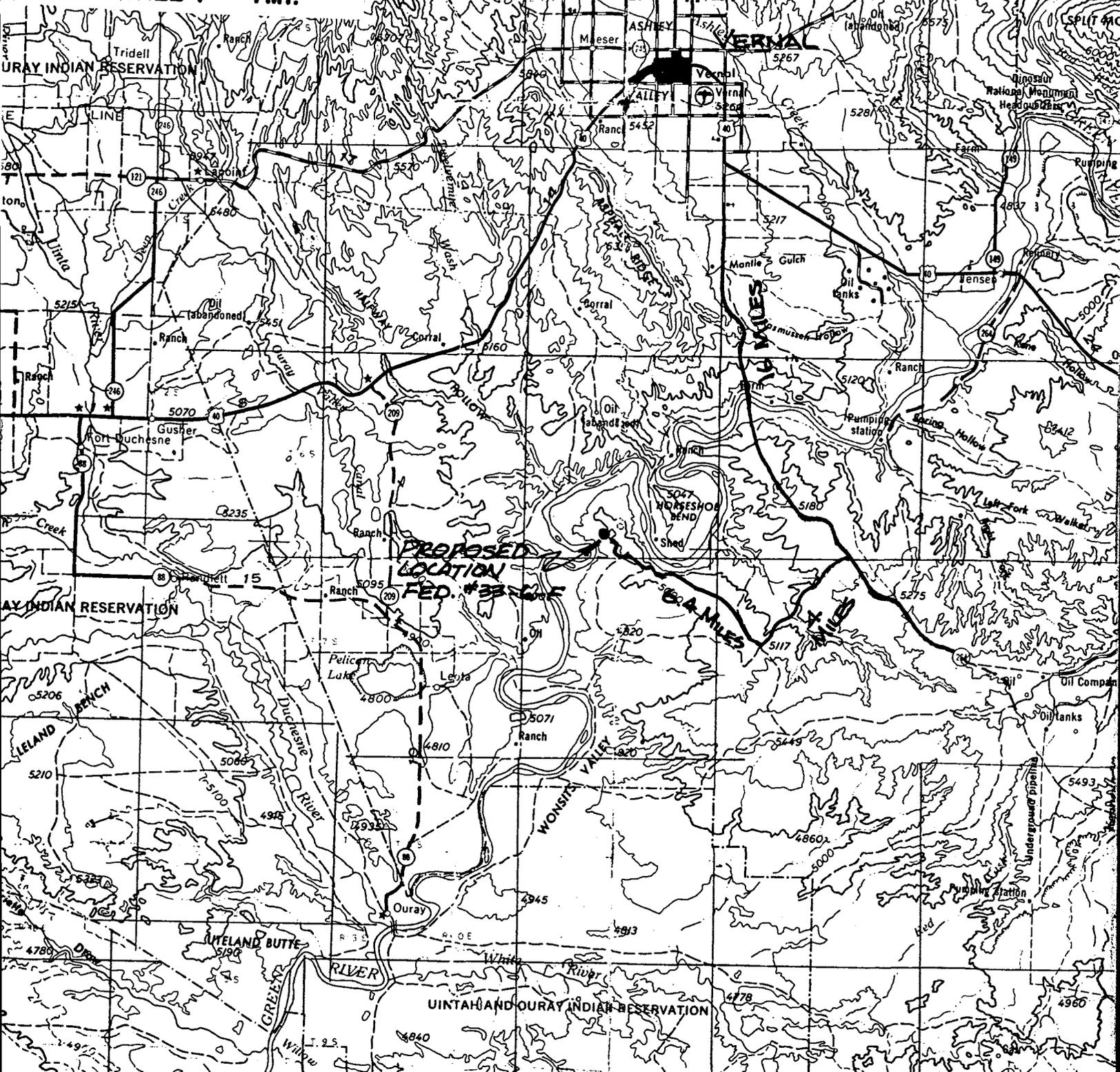
HIGHWAY 264
9.1 MILES
VERNAL, UT
25.1 MILES

ALTA ENERGY CORP.
FED. # 33-6-F
PROPOSED LOCATION

TOPO.

MAP "A"

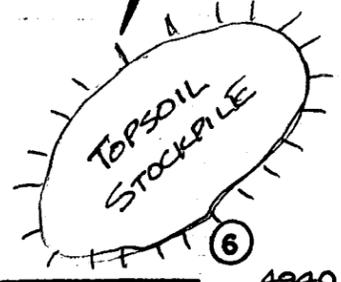
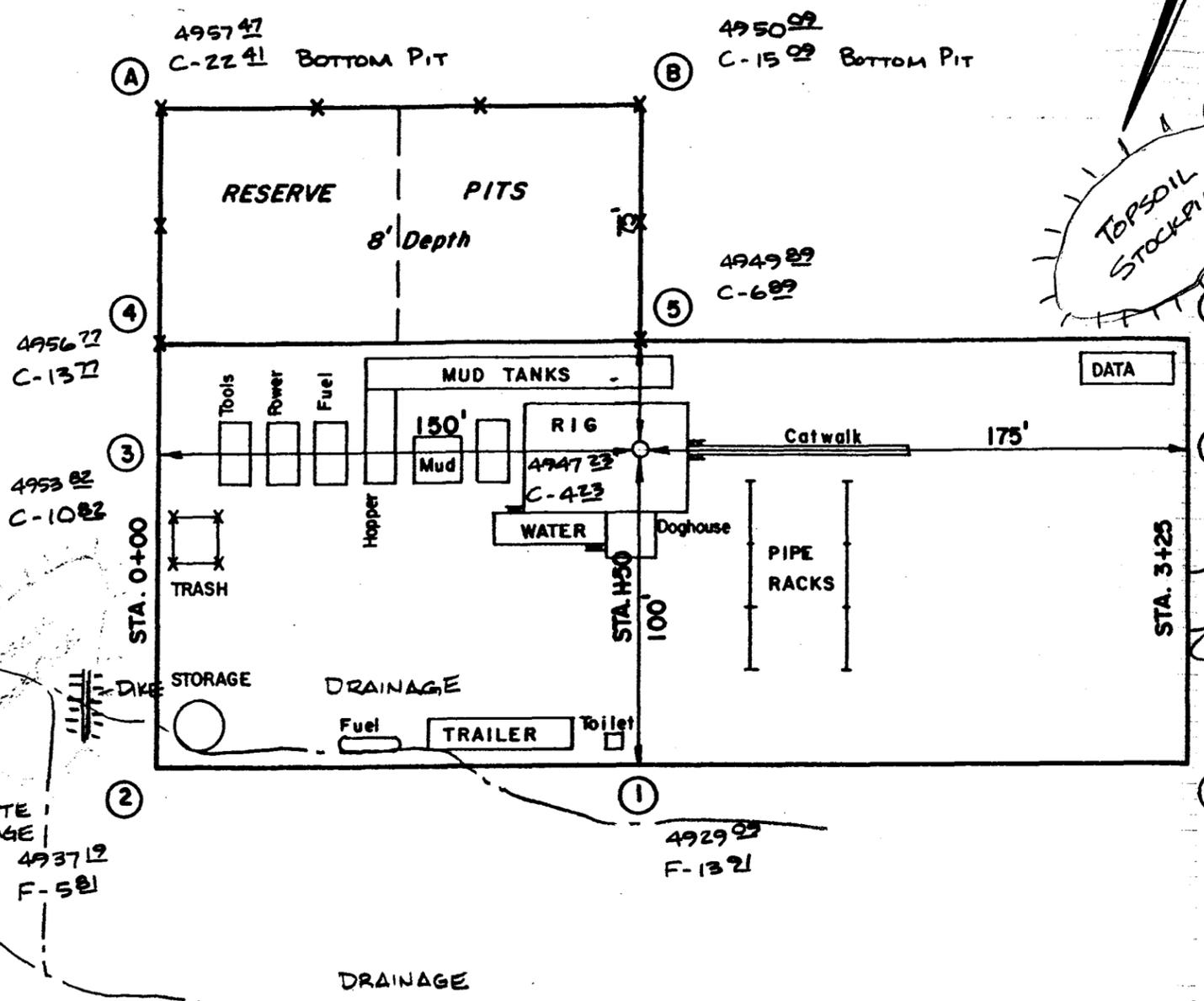
SCALE 1" = 4 MI.



ALTA ENERGY CORP.

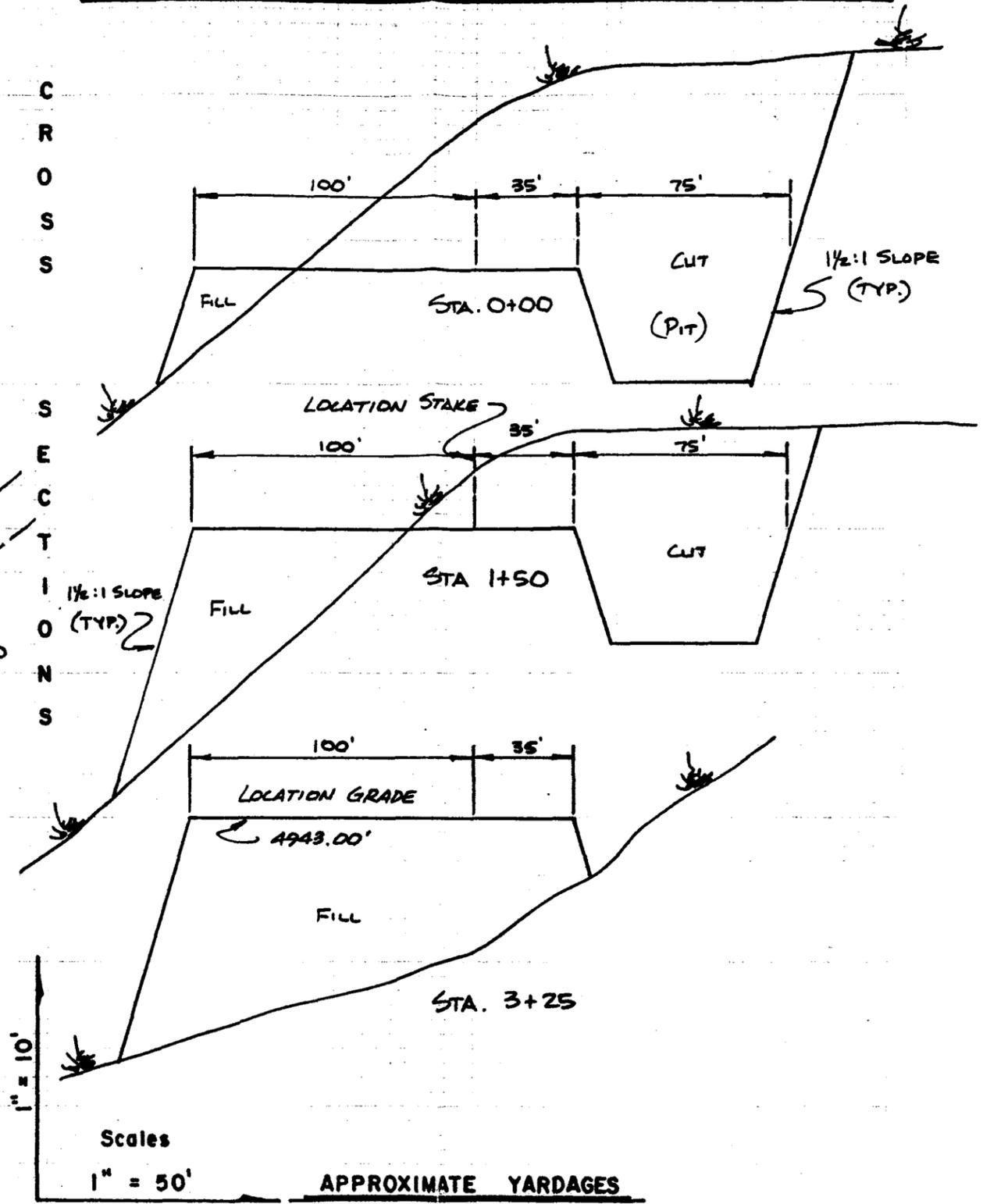
FED. # 33-6-F

SCALE 1" = 50'
DATE 10-7-86



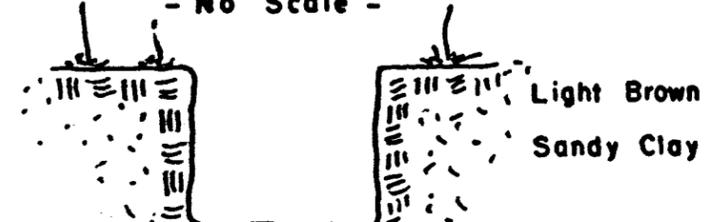
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SOILS LITHOLOGY

- No Scale -



Scales
1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 12,546

Cubic Yards Fill - 10,038

OPERATOR Ultra Energy Corp DATE 11-7-86

WELL NAME Federal 33-6-F

SEC SE NW 33 T 65 R 21E COUNTY Uintah

43-047-31769
API NUMBER

Sub.
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

R Cause 127-4
Next water permit

APPROVAL LETTER:

SPACING: 203 _____ UNIT _____

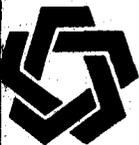
302

127-4 - 7-26-85
CAUSE NO. & DATE

302.1

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 13, 1986

Alta Energy Corporation
P. O. Box 767
Vernal, Utah 84078

Gentlemen:

Re: Federal 33-6-F - SE NW Sec. 33, T. 6S, R. 21E
2140' FNL, 2140' FWL - Uintah County, Utah

Approval to drill the referenced well is hereby granted in accordance with the Order of Cause No. 127-4 dated July 26, 1985 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
Alta Energy Corporation
Federal 33-6-F
November 13, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31769.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

120210

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
 Alta Energy Corporation

3. ADDRESS OF OPERATOR
 P.O. Box 767, Vernal, Utah 84078 (801) 789-7701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 2140' FWL 2140' FNL Section 33, T6S, R21E, S.L.B.&M.
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 26.4 Miles South of Vernal, Utah by road

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2140'

16. NO. OF ACRES IN LEASE 440

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. 7400'

19. PROPOSED DEPTH 7400'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4947'

22. APPROX. DATE WORK WILL START* A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
 U-28212

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 #33-6-F

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 33, T6S, R21E, SLM

12. COUNTY OR PARISH
 Uintah

13. STATE
 Utah

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"	32# K-40	350'	Circulate to surface
7 7/8"	5 1/2"	15.5# J-55	7375'	Cement to above oil shale base approximately 2500'

RECEIVED
DEC 01 1986

See Atchments

- 10 Point B.O.P.
- Location Plat
- 13 Point Surface Use Plan
- Cut Sheet
- Topo Map "A"
- Topo Map "B"

DIVISION OF OIL, GAS & MINING

NOV 1986
Stamp

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 [Signature] TITLE Prod. Supt. DATE 11-3-86

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 11-24-86

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY NOTICE OF APPROVAL *See Instructions On Reverse Side

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company - Alta Energy Corporation

Well No. 33-6-F

Location - Section 33, T6S, R21E

Lease No. U-28212

Onsite Inspection Date - October 14, 1986

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.

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 encountered to Wayne Svejnoha of this office. Copies of State of Utah form OGC-8-X, will be acceptable. If noticable water flows are encountered, submit samples to this office along with any water analyses conducted by the operator.

All water zones and other mineral zones will be protected or isolated by the proposed cementing program. If borehole conditions prevent successful completion of the proposed plan, this office shall be notified immediately to determine required remedial protection procedures.

2. Pressure Control Equipment:

An annular Bag-type preventer shall be utilized. Ram-type preventers shall be tested to 2000 psi and the Annular-type preventer shall be tested to 1500 psi.

3. Casing Program and Auxiliary Equipment:

The District Office shall be notified, with sufficient lead time in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium:

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.

6. Other Information:

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

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

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

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

The oil and gas measurement facilities will be installed on well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AD 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 the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3160.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AD. 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."

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.

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).

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

Craig M. Hansen Assistant District Manager for Minerals	(801) 247-2318
Gerald E. Kenczka Petroleum Engineer	(801) 781-1190
R. Allen McKee Petroleum Engineer	(801) 781-1368

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

PERMIT IN TRIPLICATE*
(Other instructions on reverse side)

000206

Orig

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-28212																				
2. NAME OF OPERATOR Alta Energy Corporation		6. IF INDIAN, ALLOTTED OR TRIBE NAME N/A																				
3. ADDRESS OF OPERATOR P. O. Box 767 Vernal, Utah 84078		7. UNIT AGREEMENT NAME N/A																				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 2140' FWL 2140' FNL Sec.33		8. FARM OR LEASE NAME Federal																				
14. PERMIT NO. 43-047-31769		9. WELL NO. 33-6-F																				
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4947' GR		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend																				
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA Sec. 33, T6S, R21E SLM																				
<table border="0"> <tr> <th colspan="2">NOTICE OF INTENTION TO:</th> <th colspan="2">SUBSEQUENT REPORT OF:</th> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <u>Operator Change</u> <input type="checkbox"/></td> <td></td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Operator Change</u> <input type="checkbox"/>		12. COUNTY OR PARISH Uintah
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																				
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REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Operator Change</u> <input type="checkbox"/>																				
		13. STATE Utah																				

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

Operator Change from Alta Energy Corp. to Columbia Gas Development
P. O. Box 1350
Houston, Texas 77251

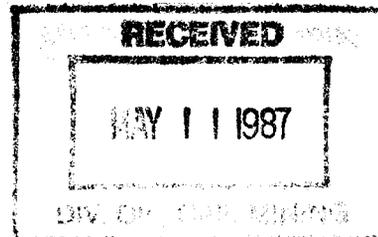
18. I hereby certify that the foregoing is true and correct

SIGNED *[Signature]* TITLE VICE PRESIDENT DATE 4/21/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



March 8, 1987

STATE OF UTAH
NATURAL RESOURCES

Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Attention: Mr. R. J. Pirth
Associate Director, Oil & Gas

Reference: Federal #33-6-F
Section 33, T6S, R21E, S.L.B. & M.
Uintah County, Utah
Lease No. U-28212
Permit No. 43-047-31769
Operator Change

Dear Mr. Pirth:

Enclosed please find three copies of Columbia Gas Development Corporation's Subsequent Change of Operator Sundry, as Operator for the Federal #33-6-F well. This change of operator was effective March 1, 1987.

Columbia Gas will drill and operate the subject well under their State of Utah bonds and do agree to adhere to all rules and stipulations under which the permit was issued. Should you have any questions concerning Columbia's application, please contact me at 713/787-3400.

Yours truly,

A handwritten signature in cursive script that reads "Lynn Roque".

Lynn Roque
Regulatory Technician

lr
Enclosures

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

5. LEASE DESIGNATION AND SERIAL NO.
U-28212

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#33-6-F

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR ABBA
Sec. 33, T6S, R21E, S.L.M.

12. COUNTY OR PARISH 13. STATE
Uintah Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR Phone: 713/787-3400
P. O. Box 1350, Houston, Texas 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
2140' FNL & 2140' FWL of Section 33, T6S, R21E, S.L.B. & M.

14. PERMIT NO. 15. ELEVATIONS (Show whether OF, RT, OR, etc.)
43-047-31769 GR 4947'

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <u>Operator Change</u> <input checked="" type="checkbox"/>	

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

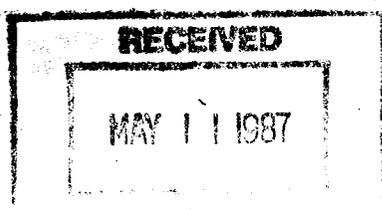
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

COLUMBIA GAS DEVELOPMENT CORPORATION, as Operator of the Federal #33-6-F well, accepts the Permit to Drill granted in accordance with Cause No. 127-4, dated July 26, 1985, State of Utah, and will adhere to the regulations and stipulations under which the permit was granted.

Previous Operator: Alta Energy Corporation, P. O. Box 767, Vernal, Utah 84078.

Operator Change Effective: March 1, 1987

Columbia Gas Development Corporation will drill and operate the Federal #33-6-F well under their Federal Nationwide and State bonds.



18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Director of Drilling DATE 5/7/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

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

DATE: 5-12-87
BY: [Signature]

*See Instructions on Reverse Side

FILING FOR WATER IN THE STATE OF UTAH

071303

Rec. by DLT
 Fee Paid \$ 15.00
 Platted # 72478
 Microfilmed
 Roll # 43-047-3176A

APPLICATION TO APPROPRIATE WATER

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

RECEIVED
 JUN 11 1987

WATER RIGHTS
 SALT LAKE

WATER USER CLAIM NO. 49 - 1415

APPLICATION NO. T62560

1. PRIORITY OF RIGHT: June 3, 1987 FILING DATE: June 3, 1987
2. OWNER INFORMATION
 Name: Columbia Gas and Development Inc.
 Address: c/o Target Trucking, 2960 North 500 East, Vernal, UT 84078
 The land is not owned by the applicant(s), see explanatory.
3. QUANTITY OF WATER: 8.0 acre feet (Ac. Ft.)
4. SOURCE: Green River DRAINAGE: SE Uinta Basin COUNTY: Uintah
POINT(S) OF DIVERSION:
 (1) S. 2900 feet, E. 2600 feet, from the W $\frac{1}{2}$ Corner of Section 22,
 Township 6 S, Range 21 E, SLB&M
Description of Diverting Works: Pump from river into tanktruck
COMMON DESCRIPTION:
5. NATURE AND PERIOD OF USE
 Oil Exploration From June 3 to June 2.
6. PURPOSE AND EXTENT OF USE
 Oil Exploration: Drilling of Federal wells 33-8-N & 33-6-F in Section 33, T6S, R21E, SLB&M.
7. PLACE OF USE
 The water is used in all or parts of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
6 S 21 E 33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

All locations in Salt Lake Base and Meridian

EXPLANATORY

Land leased for oil well drilling.

RECEIVED
 JUN 25 1987

DIVISION OF
 OIL, GAS & MINING

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

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

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

Roy McWhorter
Signature of Applicant

STATE ENGINEER'S ENDORSEMENT

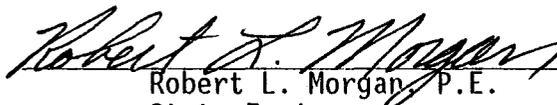
WATER RIGHT NUMBER: 49 - 1415

APPLICATION NO. T62560

1. June 3, 1987 Application received by TNB.
 2. June 4, 1987 Application designated for APPROVAL by RWL and SG.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated June 24, 1987, subject to prior rights and this application will expire on June 24, 1988.


Robert L. Morgan, P.E.
State Engineer

WATER PERMIT
48-1415
T62560

082707

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-047-31769

NAME OF COMPANY: COLUMBIA GAS DEVELOPMENT CORP.

WELL NAME: FEDRAL 33-6-F

SECTION SE SW 33 TOWNSHIP 6S RANGE 21E COUNTY UINTAH

DRILLING CONTRACTOR LEON ROSS

RIG #

SPUDDED: DATE 8-22-87

TIME 12:00 Noon

HOW Air

DRILLING WILL COMMENCE 8-25-87 - Grace-Bomac Rig 181

REPORTED BY Lynn Roque

TELEPHONE # 713-787-3482

DATE 8-25-87 SIGNED CR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 3160-6
(November 1983)
(Formerly 9-329)

MONTHLY REPORT
OF
OPERATIONS

Lease No. U-28212
Communitization Agreement No. NA
Field Name Horseshoe Bend
Unit Name NA
Participating Area NA
County Uintah State Utah
Operator Columbia Gas Development Corporation
 Amended Report

Dula
43-047-31109
092115

The following is a correct report of operations and production (including status of all unplugged wells) for the month of August, 19 87

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396d), regulation (43 CFR 3162.4-3), and the terms of the lease. Failure to report can result in the assessment of liquidated damages, (43 CFR 3160), penalties, shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (43 CFR 3160).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
33-6-F	33 SE1/4	6S	21E	DRG					Spud Date: 8-22-87
Remarks - Continued									
Set 8-5/8" 24# J-55 csg @ 350' w/280 sx Standard, displaced, returns to surface. Rel air rig. Line pit w/mud from Federal #33-8-N. MI & RU Grace Rotary Rig 181 on 8-25-87. Test annular/rams-ok. Pressure test csg to 1000# pis-ok. Tagged cmt @ 305', drill cmt and guide shoe; drill to 431'. Tested BOP's. Drill, survey to 3631'. Cond hole for DST #1. Test BOPs-ok. Set pkr; DST Uinta sand from 3628-3700'. Tagged bridge @ 3480'; drilled, surveyed and function test BOP's to 5091'.									
SEP 14 1987 FEDERAL BUREAU OF LAND MANAGEMENT									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXX

Authorized Signature: *Lynn Rogue* Address: P.O. Box 1350, Houston, TX 77251-1350
Title: Regulatory Technician Page 1 of 1

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 3160-7
(November 1983)
(Formerly 9-329-1)

MONTHLY REPORT
OF
OPERATIONS
(Continued)

Lease No. U-28212
Communitization Agreement No. NA
Field Name Horseshoe Bend
Unit Name NA
Participating Area NA
County Uintah State Utah
Operator _____

Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 87

(See Reverse of Form 3160-6 for Instructions)

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
33-6-F	33, SENW	6S	21E	POW					
<p>REMARKS: Set RBP @ 7125'; test to 2000 psi-ok. GIH, correlate and perf (3-3/8" spiral gun) 7076-7078 (2 holes), 7056-7060 (2 holes), 7048-7052 (2 holes), 7034-7038 (3 holes), 7030-7032 (2 holes), 6992-6998 (4 holes), 6988-6990 (1 shot) 6978-6981 (2 holes), 6957-6959 (3 holes), 6945-6949 (6 holes) 6938-6940 (3 holes). Set RTTS @ 7074', BD perfs w/250 gal 7.5% HCl acid. Pull 9 jts tbg and 1 6' pup jt. Set pkr and BD perfs w/1500 gal 7.5% HCl acid; open well and flow back. RU for frac #2: 274,176 gal fluid w/335,000# 20/40 sd and 52,000# 16/30 sd. Flow well back to reserve pit. POH w/BP. Change rams in BOPs; ND BOP.</p> <p>MU 3-1/2" OD x 60' long gas anchor, 2-3/8" SN, 5-1/2" Trico TA and 218 jts 2-3/8" 4.7# tbg; set TA w/20,000#. MU 2" X 1-1/2" X 20' RWBC pump, 70 3/4" and 91 7/8" "D" rods. Space out and seat pump. Clean location and release rig. Well WO installation of tank battery.</p>									

Page 2 of 2

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DIVISION OF
OIL, GAS & MINING

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

Form 3160-6
(November 1983)
(Formerly 9-329)

**MONTHLY REPORT
OF
OPERATIONS**

Lease No. U-2821 *Duly*
Communitization Agreement No. NA
Field Name Horseshoe Bend 101316
Unit Name NA 43-047-31769
Participating Area NA
County Uintah State Utah
Operator Columbia Gas Development Corp.
 Amended Report

The following is a correct report of operations and production (including status of all unplugged wells) for the month of September, 19 87

(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396d), regulation (43 CFR 3162.4-3), and the terms of the lease. Failure to report can result in the assessment of liquidated damages, (43 CFR 3160), penalties, shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (43 CFR 3160).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
33-6-F	33, SENW	6S	21E	POW					
<p>REMARKS: <u>Spud Date: 8-22-87</u> <u>Completion Date: 9-21-87</u> KB: 4962'</p> <p>TD: 7252' MD/TVD PBTB: 7245' MD Date 1st Production:</p> <p>Drill, survey & function test BOPs to 6500; drilled to 6752', system mudded up w/36 Vis, 9.0 ppg mud, due to losing mud to hole. Drilled to TD 7252'; condition hole, and logged. Ran 5-1/2" 24#/ft csg. Set, Stg 1: FS @ 7245 w/450 sx Thixotropic; Stg 2: DV @ 4021' w/395 sx Hi-fill Std. + 150 sx Premium L-200. Bumped plug; land and cut csg; released rig 9-7-87.</p> <p>MI RU completion rig on 9-14-87. NU BOPs; MU work sting and tagged cmt @ 3994'. Drill cmt, DV @ 4030', drill cmt, FC @ 7163; PBTB 7245. Displace hole w/3% KCl water; pressure test csg to 2000# psi-ok. Correlate, MU 3-3/8" spiral csg gun, perf 7186-7180' (8 holes), 7177-7174' (4 holes), 7164-7160 (5 holes) and 7153-7151' (3 holes). Set PIP and BD perfs; test annulus w/1500 psi. Run pump-in test; frac well; avg rate 45 BPM, avg psi 3200, flow well.</p>									

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

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OCT 09 1987

Authorized Signature: Lynn Rogue Address: P.O. Box 1350, Houston, TX 77251-1350
Title: Regulatory Technician Page 1 of 2

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

5. LEASE DESIGNATION AND SERIAL NO.
U-2812 POW-GRU

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#33-6-F

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
Sec. 33-6S-21E, S1M

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR
P.O. Box 1350, Houston, Texas 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
SW NW, 2140' FNL & 2140' FWL, Sec. 33, T6S, R21E, SLB & M

14. PERMIT NO.
43-047-31769

15. ELEVATIONS (Show whether of, FT., GR., etc.)
4947' GR 4962' KB

713/787-3400

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Permit for emergency pit <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Maintain a fenced emergency pit under NTL-2B which is 48'x41'x10' and located 125' from the well. The pressure relief valve on top of the heater treater is piped to this pit. This pit will only be used if the flowline between the heater treater and the tanks becomes plugged. If this happens the pressure relief valve will open and the fluids will safely flow to this pit. This pit will not be used for water disposal since there is a water tank. Water is to be disposed of by trucking it out to one of the listed disposal pits. (SEE ATTACHED)

Estimated Evaporation Rate: 34" from March 1 - October 31; 0" from October 31 - March 1.
(Information from the USDA Soil Conservation Service)

Estimated Percolation Rate: Adjacent to Pit: Sandy clay loam with 50% sand, 25% silt, and 25% clay which corresponds to a 1" per hour soil permeability.
Bottom of Pit: Loam with 45% sand, 30% silt, and 25% clay which corresponds to a .7" per hour soil permeability.

(The sand, silt, clay analysis performed by Richard Foster of the USDA Soil Conservation Service in Vernal, Utah. The permeability correlation is from the "Soil Permeability Class Related To Texture" published by the U.S. Department of Agriculture, Bureau of Plant Industry, Soils, and Agricultural Engineering.)

Depth and Areal Extent of All Usable Water: The depth of usable water aquifers in the Horseshoe Bend Field is between 2000' and 3000' and extends across the entire field area. This data is from Gilbert Hund of Utah's Division of Oil, Gas and Mining.

Water Analysis: Being analyzed - will send under separate cover.

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

SIGNED W. J. Ditter TITLE Staff Production Engineer DATE 1-11-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

FEDERAL #33-6-F

cont.--- Water is to be disposed of by trucking it out to one of the following disposal pits:

<u>OPERATOR</u>	<u>LOCATION</u>	<u>AREA</u>	<u>COUNTY</u>
Grant Bleazard	S30; T2S; R4W; USM	Blue Bench	Duchesne
Max Chapoose	S27; T1N; R2W; USM	Neola	Duchesne
Grant Hansen	S7; T3S; R3W; USM	Arcadia	Duchesne
Hansen - Mitchell	S8; T3S; R4W; USM	Arcadia	Duchesne
Dave Murray	S12; T5S; R19E; SLB&M	Lapoint	Uintah
Coastal Oil & Gas	S3; T10S; R21E; SLB&M	White River	Uintah
Dorran Freston	S32; T1S; R1W; USM	Roosevelt	Duchesne

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

6

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: Columbia Gas Development Corp. 713/787-3400

3. ADDRESS OF OPERATOR: P. O. Box 1350, Houston, Texas 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface SE NW, 2140' FNL & 2140' FWL, Sec. 33, T6S, R21E, SLB & M

At top prod. interval reported below
same

At total depth
same

14. PERMIT NO. 43-047-31769 DATE ISSUED 11-24-86

5. LEASE DESIGNATION AND SERIAL NO. U-28212

6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA 012607

7. UNIT AGREEMENT NAME NA

8. FARM OR LEASE NAME Federal

9. WELL NO. #33-6-F

10. FIELD AND POOL OR WILDCAT Horseshoe Bend

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 33, T6S, R21E, SIM

12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUDDED 8-22-87 16. DATE T.D. REACHED 9-4-87 17. DATE COMPL. (Ready to prod.) 9-21-87 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4947' GR 4962' KB 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 7252' MD/TVD 21. PLUG BACK T.D., MD & TVD 7245' MD/TVD 22. IF MULTIPLE COMPL., HOW MANY* - 23. INTERVALS DRILLED BY - ROTARY TOOLS 0-7252' MD CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
6938-7078' Green River Formation
7151-7186' Green River Formation 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/MSFL, LDI/CNL, FDC/Bulk Density, CBL mud logs 1-22-88 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#/ft	349' MD	12-1/4"	280 sx Std	NA
5-1/2"	15.5#/ft	7245' MD	7-7/8"	Stg 1: FS @ 7245' 480 sx Thixotropic; Stg 2: DV @ 4021' 395 sx Hi-Fill + 150 sx Premium	NA

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	6891' MD (MUD ANCHOR)	TA @ 6830' MD

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

7186-7180, 7177-7174, 7164-7160, 7153-7151, 7076, 7078, 7056, 7060, 7048, 7052, 7034-7038, 7030, 7032, 6992-6998, 6988-6990, 6978, 6981, 6957-6959, 6945-6949, 6938-6940 (Total 50 holes)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7186-7180/7177-7174	61,500 gal fl w/138,500#
7164-7160/7153-7151	20/40 sd
6938-7078'	274,176 gal fl + 335,000# 20/40 sd + 52,000# 16/30 sd

33. PRODUCTION

DATE FIRST PRODUCTION 12-12-87 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 2" x 1-1/2" rod pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 12-21-87 HOURS TESTED 24 CHOKE SIZE open PROD'N. FOR TEST PERIOD → OIL—BBL. 140 GAS—MCF. 250* WATER—BBL. 150 GAS-OIL RATIO 1786

FLOW. TUBING PRESS. NA CASING PRESSURE NA CALCULATED 24-HOUR RATE → OIL—BBL. 140 GAS—MCF. 250* WATER—BBL. 150 OIL GRAVITY-API (CORR.) 35.8

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

35. LIST OF ATTACHMENTS FDC/Bulk Density DLL/Micro SFL FDC/CNL DST Mud Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED W. J. Datta TITLE Staff Production Engineer DATE 1-18-88

*Estimated

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

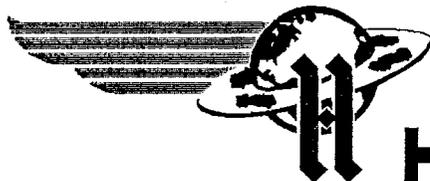
37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	TOP		
				NAME	MEAS. DEPTH	
				Uinta "B"	3408'	3408'
				Green River "H"	6320'	6320'
				Green River "J"	6753'	6753'

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP
		TRUE VERT. DEPTH
Uinta "B"	3408'	3408'
Green River "H"	6320'	6320'
Green River "J"	6753'	6753'

Dr. 43-047-31769



HALLIBURTON SERVICES

TICKET NO. 50906800

03-SEP-87

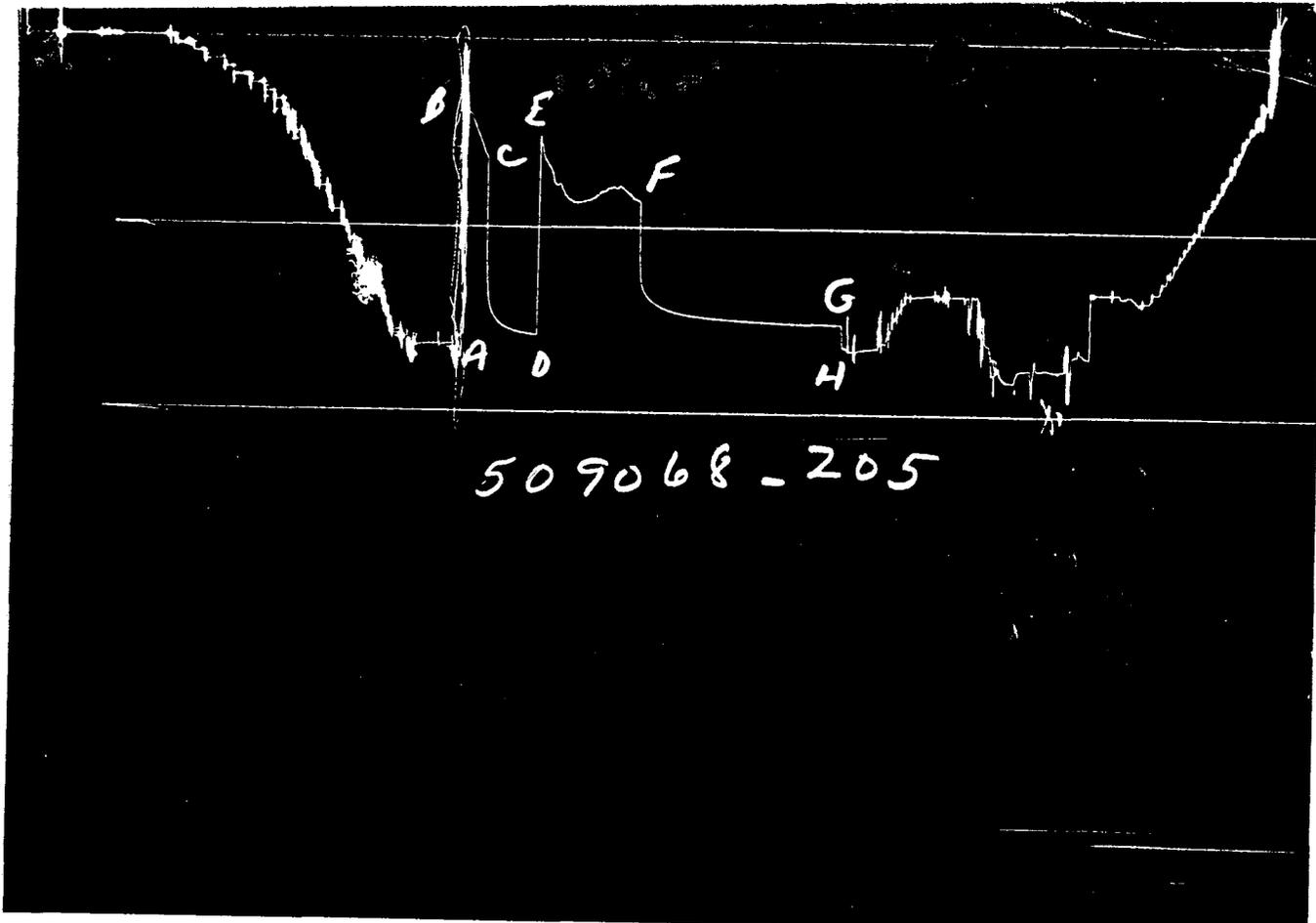
VERNAL

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DIVISION OF
OIL, GAS & MINING

FORMATION TESTING SERVICE REPORT

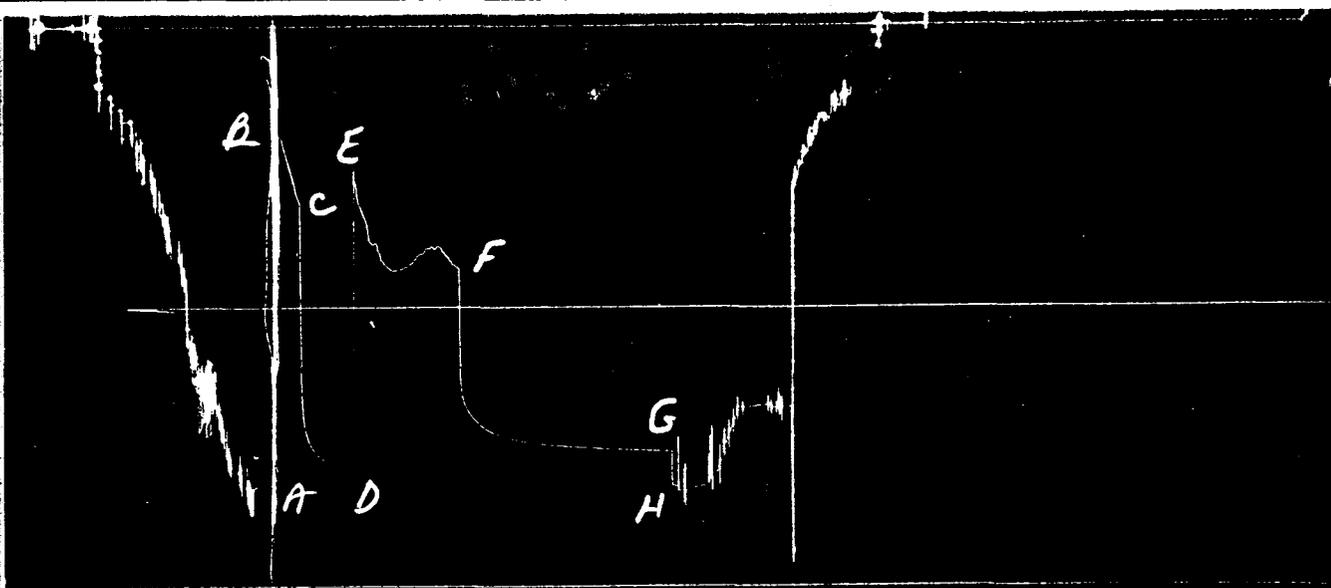
FEDERAL	33-6-F	3628.0 - 3702.0	COLUMBIA GAS DEVELOPMENT CORPORATION
LEASE NAME	WELL NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME
LEGAL LOCATION	1		
SEC. - TWP. - RANG.	33-6S-21E		
FIELD AREA	HORSESHOE BEND	COUNTY	UTAH
STATE	UTAH	OR	



509068-205

GAUGE NO: 205 DEPTH: 3603.0 BLANKED OFF: NO HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1646	1628.6			
B	INITIAL FIRST FLOW	397	302.7			
C	FINAL FIRST FLOW	630	623.0	15.0	14.7	F
C	INITIAL FIRST CLOSED-IN	630	623.0			
D	FINAL FIRST CLOSED-IN	1577	1579.5	30.0	30.6	C
E	INITIAL SECOND FLOW	493	506.7			
F	FINAL SECOND FLOW	848	859.1	60.0	59.5	F
F	INITIAL SECOND CLOSED-IN	848	859.1			
G	FINAL SECOND CLOSED-IN	1508	1513.4	120.0	120.2	C
H	FINAL HYDROSTATIC	1646	1638.2			



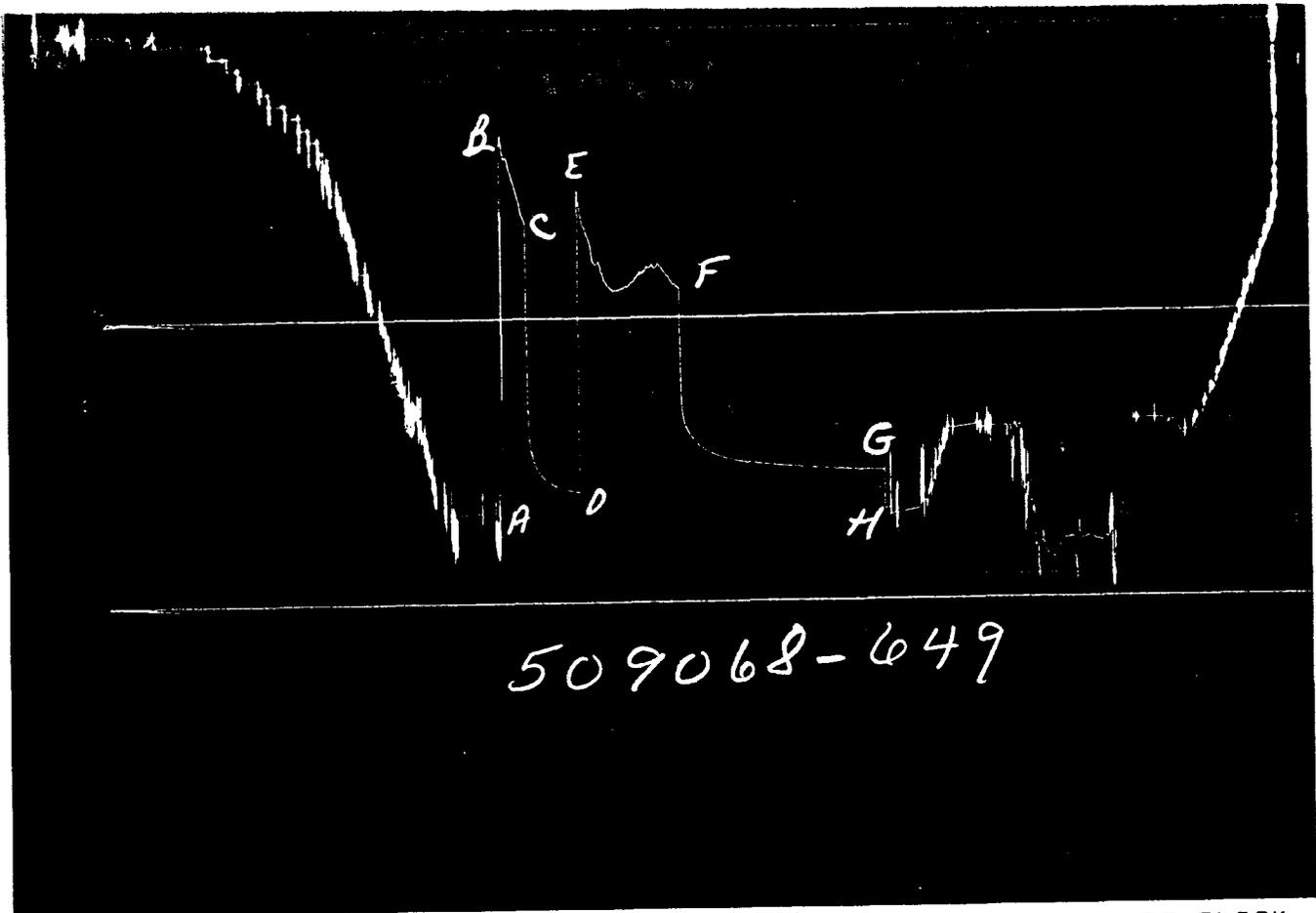
509068 - 4426

GAUGE NO: 4426 DEPTH: 3607.0 BLANKED OFF: NO HOUR OF CLOCK: 12

12

TYPE
F
C
F
C

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1630	1632.6			
B	INITIAL FIRST FLOW	344	373.2			
C	FINAL FIRST FLOW	622	623.2	15.0	14.7	F
C	INITIAL FIRST CLOSED-IN	622	623.2			
D	FINAL FIRST CLOSED-IN	1562	1580.0	30.0	30.6	C
E	INITIAL SECOND FLOW	501	505.9			
F	FINAL SECOND FLOW	836	857.8	60.0	59.5	F
F	INITIAL SECOND CLOSED-IN	836	857.8			
G	FINAL SECOND CLOSED-IN	1506	1512.3	120.0	120.2	C
H	FINAL HYDROSTATIC	1630	1637.3			



509068-649

GAUGE NO: 649 DEPTH: 3699.0 BLANKED OFF: YES HOUR OF CLOCK: 12

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	INITIAL HYDROSTATIC	1685	1676.3			
B	INITIAL FIRST FLOW	355	359.1	15.0	14.7	F
C	FINAL FIRST FLOW	656	665.4			
C	INITIAL FIRST CLOSED-IN	656	665.4	30.0	30.6	C
D	FINAL FIRST CLOSED-IN	1596	1606.7			
E	INITIAL SECOND FLOW	550	553.1	60.0	59.5	F
F	FINAL SECOND FLOW	886	897.4			
F	INITIAL SECOND CLOSED-IN	886	897.4	120.0	120.2	C
G	FINAL SECOND CLOSED-IN	1533	1542.7			
H	FINAL HYDROSTATIC	1685	1676.2			

EQUIPMENT & HOLE DATA

FORMATION TESTED: UINTAH SAND
 NET PAY (ft): 10.0
 GROSS TESTED FOOTAGE: 74.0
 ALL DEPTHS MEASURED FROM: KELLY BUSHING
 CASING PERFS. (ft): _____
 HOLE OR CASING SIZE (in): 7.875
 ELEVATION (ft): 4947.0 GROUND LEVEL
 TOTAL DEPTH (ft): 3702.0
 PACKER DEPTH(S) (ft): 3622, 3628
 FINAL SURFACE CHOKE (in): 0.50000
 BOTTOM HOLE CHOKE (in): 0.750
 MUD WEIGHT (lb/gal): 8.50
 MUD VISCOSITY (sec): 26
 ESTIMATED HOLE TEMP. (°F): _____
 ACTUAL HOLE TEMP. (°F): 97 @ 3697.0 ft

TICKET NUMBER: 50906800
 DATE: 8-28-87 TEST NO: 1
 TYPE DST: OPEN HOLE
 HALLIBURTON CAMP: VERNAL
 TESTER: RANDY RIPPLE
 WITNESS: JIM CHILDRESS
 DRILLING CONTRACTOR: GRACE DRILLING #181

FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
MUD PIT	<u>0.260 @ 68 °F</u>	<u>16364 ppm</u>
REC. WATER	<u>0.090 @ 68 °F</u>	<u>49697 ppm</u>
SAMPLE CHAM.	<u>0.320 @ 68 °F</u>	<u>12121 ppm</u>
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm

SAMPLER DATA

Psig AT SURFACE: 750.0
 cu.ft. OF GAS: 2.700
 cc OF OIL: TRACE
 cc OF WATER: 1000.0
 cc OF MUD: _____
 TOTAL LIQUID cc: 1000.0

HYDROCARBON PROPERTIES

OIL GRAVITY (°API): _____ @ _____ °F
 GAS/OIL RATIO (cu.ft. per bbl): _____
 GAS GRAVITY: _____

CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

RECOVERED :

140' OF OIL, WATER AND GAS
 2415' OF FORMATION WATER

MEASURED FROM
 TESTER VALVE

REMARKS :

CLOCK 3806 RUN IN GAUGE #4426, STOPPED DURING REVERSING OUT.

TYPE & SIZE MEASURING DEVICE:

LT-20 MANIFOLD

TICKET NO: 50906800

TIME	CHOKE SIZE	SURFACE PRESSURE PSI	GAS RATE MCF	LIQUID RATE BPD	REMARKS
8-28-87					
1130					ON LOCATION, WAITED ON RIG
1548					PICKED UP TOOLS
1658					TOOL PICKED UP, LAID FLOW LINE
1727					RUN IN HOLE WITH TOOLS
2018	1/8BH				OPENED TOOL, BOTTOM OF BUCKET INSTANTLY
2019		1.5			
2020		4			
2021		6			
2022		10			
2023		15			GAS TO SURFACE
2025	.25				OPENED THRU 16/64" CHOKE
2028		60	110		
2033		85	147		CLOSED TOOL
2103					OPENED TOOL
2108		5.5			
2112	.50				FLUID PLUGGED, CHOKE OPEN THRU 32/64" CHOKE
2113		65			
2118		85			MAKING LOTS OF FLUID
2133		170			LOADING AND UNLOADING DRILLING MUD (OIL CUT)
2148		110			
2203		95			CLOSED TOOL
2208		50			
2213		25			
2218		15			
2223		0			
8-29-87					
0003					OPENED BYPASS, RIGGED DOWN SURFACE EQUIPMENT
0028					PULLED OUT OF HOLE 6 STANDS BACK
0039					RIGGED UP TO REVERSE OUT
0307					PULLED OUT OF HOLE
0510					DRAINED SAMPLER

TYPE

TIME

0523

0640

0730

TICKET NO: 50906800

CLOCK NO: 4203 HOUR: 12



GAUGE NO: 205

DEPTH: 3603.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	302.7			
2	1.0	312.0	9.3		
3	2.0	323.5	11.5		
4	3.0	391.1	67.6		
5	4.0	386.8	-4.2		
6	5.0	399.6	12.7		
7	6.0	426.8	27.3		
8	7.0	448.1	21.2		
9	8.0	473.4	25.4		
10	9.0	496.2	22.8		
11	10.0	517.4	21.2		
12	11.0	539.7	22.3		
13	12.0	567.0	27.3		
14	13.0	595.8	28.8		
C 15	14.7	623.0	27.2		
FIRST CLOSED-IN					
C 1	0.0	623.0			
2	1.0	1339.7	716.6	0.9	1.195
3	2.0	1414.5	791.5	1.7	0.927
4	3.0	1447.3	824.3	2.5	0.767
5	4.0	1470.9	847.8	3.2	0.668
6	5.0	1486.6	863.5	3.7	0.596
7	6.0	1498.3	875.3	4.3	0.538
8	7.0	1510.1	887.1	4.8	0.491
9	8.0	1517.9	894.9	5.2	0.454
10	9.0	1526.3	903.3	5.6	0.422
11	10.0	1532.1	909.1	6.0	0.393
12	12.0	1542.3	919.2	6.6	0.348
13	14.0	1549.1	926.1	7.2	0.312
14	16.0	1555.7	932.7	7.7	0.284
15	18.0	1561.2	938.2	8.1	0.260
16	20.0	1566.2	943.1	8.5	0.240
17	22.0	1570.4	947.4	8.8	0.223
18	24.0	1572.2	949.2	9.1	0.208
19	26.0	1574.7	951.7	9.4	0.195
20	28.0	1577.7	954.7	9.7	0.184
D 21	30.6	1579.5	956.5	9.9	0.171
SECOND FLOW					
E 1	0.0	506.7			
2	4.0	635.0	128.4		
3	8.0	703.1	68.1		
4	12.0	767.0	63.8		
5	16.0	825.1	58.1		
6	20.0	857.9	32.8		
7	24.0	862.7	4.8		
8	28.0	853.8	-8.9		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
9	32.0	840.0	-13.8		
10	36.0	813.0	-26.9		
11	40.0	794.3	-18.7		
12	44.0	775.7	-18.6		
13	48.0	775.7	0.0		
14	52.0	805.9	30.2		
15	56.0	842.8	36.9		
F 16	59.5	859.1	16.3		
SECOND CLOSED-IN					
F 1	0.0	859.1			
2	1.0	1293.8	434.7	1.0	1.880
3	2.0	1327.3	468.2	1.9	1.581
4	3.0	1347.5	488.3	2.9	1.410
5	4.0	1362.5	503.4	3.8	1.288
6	5.0	1373.1	514.0	4.7	1.203
7	6.0	1384.3	525.1	5.6	1.125
8	7.0	1392.9	533.8	6.4	1.064
9	8.0	1400.4	541.3	7.2	1.013
10	9.0	1405.4	546.2	8.0	0.966
11	10.0	1411.6	552.4	8.8	0.925
12	12.0	1422.6	563.5	10.4	0.856
13	14.0	1431.4	572.3	11.8	0.800
14	16.0	1438.4	579.3	13.1	0.752
15	18.0	1445.6	586.5	14.5	0.710
16	20.0	1451.4	592.3	15.7	0.673
17	22.0	1456.9	597.8	17.0	0.641
18	24.0	1459.1	600.0	18.2	0.612
19	26.0	1463.8	604.7	19.3	0.586
20	28.0	1466.7	607.6	20.3	0.562
21	30.0	1470.1	611.0	21.4	0.541
22	35.0	1476.5	617.4	23.8	0.494
23	40.0	1482.1	623.0	26.0	0.456
24	45.0	1485.3	626.2	28.0	0.423
25	50.0	1489.7	630.6	29.9	0.396
26	55.0	1492.5	633.4	31.6	0.371
27	60.0	1495.5	636.4	33.2	0.350
28	70.0	1499.6	640.5	36.0	0.314
29	80.0	1503.5	644.4	38.5	0.285
30	90.0	1506.8	647.7	40.7	0.261
31	100.0	1509.3	650.1	42.6	0.241
32	110.0	1511.6	652.5	44.3	0.224
G 33	120.2	1513.4	654.3	45.9	0.209

REMARKS:

TICKET NO: 50906800

CLOCK NO: 3806 HOUR: 12

GUAGE NO: 4426

DEPTH: 3607.0



1.880
1.581
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0.205

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B	1	0.0	373.2		
	2	1.0	387.9	14.8	
	3	2.0	388.9	0.9	
	4	3.0	389.2	0.4	
	5	4.0	390.1	0.8	
	6	5.0	411.3	21.3	
	7	6.0	431.9	20.5	
	8	7.0	454.4	22.5	
	9	8.0	480.5	26.2	
	10	9.0	502.6	22.0	
	11	10.0	524.5	22.0	
	12	11.0	544.0	19.4	
	13	12.0	574.1	30.1	
	14	13.0	600.6	26.5	
C	15	14.7	623.2	22.5	

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST CLOSED-IN					
C	1	0.0	623.2		
	2	1.0	1358.7	735.5	0.9 1.209
	3	2.0	1421.4	798.3	1.7 0.928
	4	3.0	1449.2	826.0	2.5 0.772
	5	4.0	1469.4	846.3	3.1 0.675
	6	5.0	1484.4	861.2	3.7 0.598
	7	6.0	1496.6	873.4	4.3 0.538
	8	7.0	1507.1	884.0	4.7 0.493
	9	8.0	1515.8	892.6	5.2 0.453
	10	9.0	1523.3	900.1	5.6 0.420
	11	10.0	1529.8	906.7	6.0 0.393
	12	12.0	1540.2	917.0	6.6 0.348
	13	14.0	1548.0	924.9	7.2 0.313
	14	16.0	1555.5	932.3	7.7 0.284
	15	18.0	1561.2	938.0	8.1 0.260
	16	20.0	1565.4	942.2	8.5 0.240
	17	22.0	1569.6	946.4	8.8 0.223
	18	24.0	1573.2	950.1	9.1 0.208
	19	26.0	1575.9	952.7	9.4 0.195
	20	28.0	1578.9	955.8	9.7 0.184
D	21	30.6	1580.0	956.8	9.9 0.171

REF	MINUTES	PRESSURE	AP
SECOND FLOW			
E	0.0	505.9	
	4.0	638.4	132.5
	8.0	725.0	86.7
	12.0	766.4	41.3
	16.0	829.2	62.8
	20.0	856.3	27.1
	24.0	863.7	7.4
	28.0	854.3	-9.3

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
	9	32.0	842.1	-12.2	
	10	35.0	812.8	-29.4	
	11	40.0	797.0	-15.7	
	12	44.0	777.9	-19.1	
	13	48.0	780.0	2.0	
	14	52.0	811.1	31.1	
	15	56.0	843.7	32.6	
F	16	59.5	857.8	14.1	

REF	MINUTES	PRESSURE	AP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND CLOSED-IN					
F	1	0.0	857.8		
	2	1.0	1297.2	439.4	1.0 1.864
	3	2.0	1329.5	471.7	2.0 1.578
	4	3.0	1345.8	488.0	2.9 1.411
	5	4.0	1358.7	500.9	3.8 1.292
	6	5.0	1371.0	513.2	4.7 1.200
	7	6.0	1380.6	522.8	5.6 1.126
	8	7.0	1388.7	530.9	6.4 1.066
	9	8.0	1395.9	538.1	7.2 1.015
	10	9.0	1403.3	545.5	8.0 0.965
	11	10.0	1410.0	552.2	8.8 0.924
	12	12.0	1419.4	561.6	10.3 0.857
	13	14.0	1428.4	570.6	11.8 0.800
	14	16.0	1437.5	579.7	13.2 0.752
	15	18.0	1445.0	587.2	14.5 0.710
	16	20.0	1450.5	592.8	15.8 0.673
	17	22.0	1455.2	597.4	17.0 0.641
	18	24.0	1459.4	601.6	18.1 0.613
	19	26.0	1463.6	605.8	19.3 0.586
	20	28.0	1467.3	609.5	20.3 0.563
	21	30.0	1469.6	611.8	21.3 0.541
	22	35.0	1475.7	617.9	23.8 0.494
	23	40.0	1481.3	623.5	26.0 0.456
	24	45.0	1486.0	628.2	28.0 0.423
	25	50.0	1488.9	631.1	29.9 0.396
	26	55.0	1492.5	634.7	31.6 0.371
	27	60.0	1495.2	637.4	33.2 0.350
	28	70.0	1498.6	640.8	36.0 0.314
	29	80.0	1502.5	644.7	38.5 0.285
	30	90.0	1506.1	648.3	40.7 0.261
	31	100.0	1508.1	650.3	42.6 0.241
	32	110.0	1510.3	652.5	44.3 0.224
G	33	120.2	1512.3	654.5	45.9 0.209

REMARKS:

TICKET NO: 50906800

CLOCK NO: 2418 HOUR: 12



GAUGE NO: 649

DEPTH: 3699.0

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
FIRST FLOW					
B 1	0.0	359.1			
2	1.0	388.3	29.2		
3	2.0	426.2	37.9		
4	3.0	436.4	10.2		
5	4.0	438.5	2.1		
6	5.0	462.1	23.5		
7	6.0	482.9	20.9		
8	7.0	502.2	19.2		
9	8.0	525.5	23.3		
10	9.0	547.0	21.5		
11	10.0	567.4	20.5		
12	11.0	588.1	20.6		
13	12.0	614.6	26.6		
14	13.0	643.6	29.0		
C 15	14.7	665.4	21.8		
FIRST CLOSED-IN					
C 1	0.0	665.4			
2	1.0	1384.4	719.0	1.0	1.180
3	2.0	1455.1	789.7	1.8	0.923
4	3.0	1484.7	819.3	2.5	0.769
5	4.0	1504.3	838.9	3.2	0.667
6	5.0	1517.7	852.3	3.7	0.596
7	6.0	1529.0	863.6	4.3	0.538
8	7.0	1538.5	873.1	4.7	0.494
9	8.0	1546.6	881.2	5.2	0.454
10	9.0	1554.3	888.9	5.6	0.423
11	10.0	1560.3	894.9	6.0	0.393
12	12.0	1569.6	904.2	6.6	0.348
13	14.0	1577.8	912.4	7.2	0.313
14	16.0	1584.2	918.8	7.7	0.284
15	18.0	1589.1	923.7	8.1	0.260
16	20.0	1593.6	928.2	8.5	0.240
17	22.0	1597.2	931.8	8.8	0.223
18	24.0	1600.0	934.6	9.1	0.208
19	26.0	1602.9	937.5	9.4	0.195
20	28.0	1605.2	939.8	9.7	0.184
D 21	30.6	1606.7	941.3	9.9	0.171
SECOND FLOW					
E 1	0.0	553.1			
2	4.0	685.3	132.2		
3	8.0	771.0	85.7		
4	12.0	803.5	32.5		
5	16.0	869.7	66.2		
6	20.0	897.3	27.6		
7	24.0	901.0	3.7		
8	28.0	887.8	-13.2		

REF	MINUTES	PRESSURE	ΔP	$\frac{t \times \Delta t}{t + \Delta t}$	$\log \frac{t + \Delta t}{\Delta t}$
SECOND FLOW - CONTINUED					
9	32.0	875.4	-12.4		
10	36.0	849.6	-25.8		
11	40.0	828.8	-20.7		
12	44.0	812.2	-16.7		
13	48.0	818.1	5.9		
14	52.0	851.8	33.7		
15	56.0	883.7	31.9		
F 16	59.5	897.4	13.7		
SECOND CLOSED-IN					
F 1	0.0	897.4			
2	1.0	1313.7	416.3	1.0	1.864
3	2.0	1357.6	460.2	1.9	1.588
4	3.0	1377.6	480.2	2.9	1.413
5	4.0	1392.5	495.1	3.8	1.296
6	5.0	1403.1	505.7	4.7	1.199
7	6.0	1411.5	514.1	5.5	1.129
8	7.0	1420.3	523.0	6.4	1.066
9	8.0	1427.6	530.2	7.2	1.012
10	9.0	1434.5	537.1	8.0	0.966
11	10.0	1441.3	543.9	8.8	0.926
12	12.0	1453.0	555.6	10.3	0.856
13	14.0	1461.9	564.5	11.8	0.799
14	16.0	1469.4	572.0	13.1	0.752
15	18.0	1474.4	577.0	14.5	0.710
16	20.0	1479.7	582.3	15.7	0.674
17	22.0	1485.1	587.8	17.0	0.641
18	24.0	1489.1	591.7	18.1	0.612
19	26.0	1493.1	595.7	19.3	0.586
20	28.0	1495.7	598.3	20.3	0.563
21	30.0	1498.8	601.4	21.4	0.541
22	35.0	1505.1	607.7	23.8	0.494
23	40.0	1509.5	612.2	26.0	0.456
24	45.0	1513.1	615.7	28.0	0.423
25	50.0	1516.5	619.1	29.9	0.395
26	55.0	1519.3	621.9	31.6	0.371
27	60.0	1522.4	625.0	33.2	0.350
28	70.0	1526.5	629.1	36.0	0.314
29	80.0	1530.7	633.3	38.5	0.285
30	90.0	1534.6	637.2	40.7	0.261
31	100.0	1537.0	639.6	42.6	0.241
32	110.0	1540.2	642.8	44.3	0.224
G 33	120.2	1542.7	645.3	45.9	0.209

REMARKS:

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O.D. I.D. LENGTH DEPTH

	O.D.	I.D.	LENGTH	DEPTH
1 DRILL PIPE	4.500	3.826	2593.0	
4 FLEX WEIGHT	4.500	2.764	271.6	
3 DRILL COLLARS	6.250	2.375	635.2	
50 IMPACT REVERSING SUB	5.875	2.750	1.0	3499.0
3 DRILL COLLARS	6.250	2.375	90.7	
5 CROSSOVER	5.500	2.625	0.8	
13 DUAL CIP SAMPLER	5.000	0.750	6.9	
60 HYDROSPRING TESTER	5.000	0.750	5.0	3601.0
80 AP RUNNING CASE	5.000	2.250	4.1	3603.0
80 AP RUNNING CASE	5.000	2.250	4.1	3607.0
15 JAR	5.000	1.750	5.0	
16 VR SAFETY JOINT	5.000	1.000	2.8	
70 OPEN HOLE PACKER	7.000	1.530	5.8	3622.0
70 OPEN HOLE PACKER	7.000	1.530	5.8	3628.0
20 FLUSH JOINT ANCHOR	5.750	3.500	68.0	
81 BLANKED-OFF RUNNING CASE	5.750		4.1	3699.0

TOTAL DEPTH

3702.0

EQUIPMENT DATA



January 18, 1988

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

RECEIVED
JAN 22 1988

DIVISION OF
OIL, GAS & MINING

Reference: Federal #33-6-F
Section 33, T6S, R21E
Uintah County, Utah
Well Completion Report
API #43-047-31769

Gentlemen/Mesdames:

Enclosed please find three copies of Columbia Gas Development Corporation's Completion Report and Sundry Notice for First Date of Production for the Federal #33-6-F well in Uintah County, Utah. Also enclosed are copies of the basic electric logs.

Should you require additional information, please contact myself of Bill Ditter, Staff Production Engineer at (713) 787-3400.

Sincerely,

A handwritten signature in cursive script that reads "Victoria Guidry".

Victoria Guidry
Production Clerk

vjg

Enclosures as above

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-28212 <i>Orl.</i>
2. NAME OF OPERATOR Columbia Gas Development Corp.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, Texas 77251-1350		7. UNIT AGREEMENT NAME NA
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NW, 2140' FNL & 2140' FWL, Sec. 33, T6S, R21E, SLB & M		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-047-31769		9. WELL NO. #33-6-F
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4947' GR 4962' KB		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33, T6S, R21E, SLM
		12. COUNTY OR PARISH Uintah
		18. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <u>Date of 1st Production</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Date of 1st Production: 12-12-87

RECEIVED
JAN 22 1988
DIVISION OF
OIL, GAS & MINING

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

SIGNED Victoria Audrey TITLE Production Clerk DATE 1-18-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

020814

February 1, 1988

Columbia Gas Development Corporation
5847 San Felipe
P.O. Box 1350
Houston, Texas 77251-1350

Gentlemen:

Re: Request for Approval of Emergency Pits

This letter responds to your request for approval of emergency pits for the following wells in Uintah County, Utah:

Alta #5-1-B
Sec. 5, T. 7S, R. 21E
Private lease

Cowden #31-3
Sec. 31, T. 6S, R. 21E
Federal lease no. U-31736

Federal #33-6-F
Sec. 33, T. 6S, R. 21E
Federal lease no. U-2812

43-047-31769

POW-GRUS

Federal #33-3-J
Sec. 33, T. 6S, R. 21E
Federal lease no. U-28212

Federal #33-8-N
Sec. 33, T. 6S, R. 21E
Federal lease no. U-37116

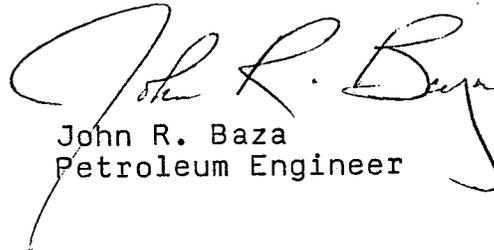
The Division of Oil, Gas and Mining hereby grants approval of the emergency pit for the Alta #5-1-B well according to the description of the proposed pit given in your sundry notice dated January 11, 1988, and the conditions of approval stated in this letter. For the other wells which are located on federal leases, you must first seek approval of such emergency pits from the U.S. Bureau of Land Management. The Division will accept BLM approval and any conditions of approval stipulated by the BLM.

The conditions of approval for the emergency pit for the Alta #5-1-B well are as follows:

1. The pit will only be used to store produced fluid from the well in the case of an emergency or upset condition of the well production facilities.
2. The operator will not allow the amount of produced fluid entering the pit to exceed the capacity of the pit at any time.
3. The pit will not be used for storage of produced water.
4. The pit may be used as a gas flare pit as long as liquid hydrocarbons are not present in the pit in flammable quantities.
5. The operator will line the emergency pit prior to use with at least two pounds per square foot of dry commercial bentonite or other suitable clay material approved by the Division.
6. All fluid in the pit will be removed and properly processed or disposed within 72 hours after commencement of production to the pit.

If you have any questions concerning this matter, please contact me at this office.

Sincerely,



John R. Baza
Petroleum Engineer

cc: BLM-Vernal
D. R. Nielson
R. J. Firth
Well files
0384T-81-82

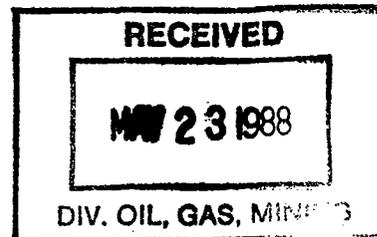
COLUMBIA GAS
Development



Well File

May 19, 1988

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



This letter was placed in wrong mailbox by receptionist. Discovered 6-3-88 DTS

Attention: Mr. Craig M. Hansen

Reference: Federal #33-3-J, Federal #33-6-F
Lease No. U-28212
Section 33, T6S, R21E
Uintah County, Utah

Dear Mr. Hansen:

Columbia Gas Development Corporation has received your letters dated May 9, 1988, regarding the venting/flaring of the Federal #33-3-J and the Federal #33-6-F in Uintah County, Utah. Each of these wells was vented/flared during the following time intervals:

	<u>Federal #33-3-J</u>	<u>Federal #33-6-F</u>
December, 1987	12/10 - 12/13 12/16 - 12/26 12/29 - 12/31	12/10 - 12/25
January, 1988	1/1 - 1/5 1/22 - 1/30	1/21 - 1/28
February, 1988	-0-	2/3 - 2/6 2/16 - 2/19

These intervals represent 32 days each of venting/flaring. They are in excess by two days each due to inaccessible locations caused by weather conditions. It is Columbia's belief that the BIM's monitoring of these wells may not have taken into consideration the time intervals, and instead showed continuous venting/flaring from December, 1987 forward.

Both the Federal #33-3-J and the Federal #33-6-F, as well as the Federal #33-8-N, have been connected to gathering systems as reflected on the enclosed Sundry Notices.

Should you have any questions in this regard, please contact myself or Bill Ditter at 713/787-3400.

Very Truly Yours,

Trisha M. DiClementi
Regulatory Technician

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions reverse side)

Budget Bureau No. 1004-0
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
U-28212
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR Columbia Gas Development Corporation 713/787-3400

3. ADDRESS OF OPERATOR P. O. Box 1350, Houston, TX 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface SW NW, 2140' FNL & 2140' FWL, Sec. 33, T6S, R21E, SLB & M

14. PERMIT NO. 43-047-31769 15. ELEVATIONS (Show whether DF, RT, GK, etc.)
4947' GR 4962' KB

7. UNIT AGREEMENT NAME NA

8. FARM OR LEASE NAME Federal

9. WELL NO. 33-6-F

10. FIELD AND POOL, OR WILDCAT Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 33-6S-21E, SIM

12. COUNTY OR PARISH Uintah 13. STATE Utah

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

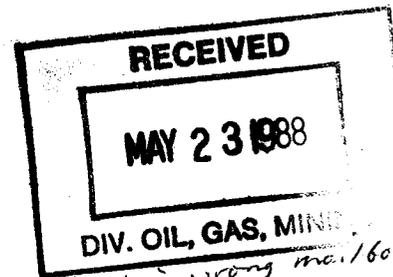
WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Connect to Gathering System</u> <input checked="" type="checkbox"/>	

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

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

Well Was Connected to Gathering System For First Sales On 3/4/88.

Gathering System Owned By Phoenix Natural Gas Corporation
P. O. Box 2802
Midland, TX 79702



Placed in wrong mail box
by receptionist, discovered
6-3-88.
DTS

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

SIGNED Travis M. Dickment TITLE Regulatory Technician DATE May 19, 1988

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



RECEIVED
AUG 9 1988

August 4, 1988

DIVISION OF
OIL, GAS & MINING

Department of the Interior
Bureau of Land Management
Division of Minerals
170 South 500 East
Vernal, Utah 84078

Attention: Craig M. Hansen

Reference: Federal #33-3-J
Federal #33-6-F
Federal #33-8-N
Horseshoe Bend Field
Uintah County, Utah

Dear Mr. Hansen:

Enclosed please find Sundry Notices for the Off Lease metering of each of the above referenced Columbia operated wells.

Should you have any questions, or require additional information, please contact me at 713/787-3400.

Very Truly Yours,

Trisha M. DiClementi
Regulatory Technician

tnd
Enclosures

✓ cc: State of Utah Natural Resources
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

AUG 9 1988

713/7843400
OIL, GAS & MINING

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1350, Houston, TX 77251-1350

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
SW NW, 2140' FNL & 2140' FWL, Sec. 33, T6S, R21E, SLB&M

5. LEASE DESIGNATION AND SERIAL NO.
U-28212

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#33-6-F

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 33, T6S, R21E, SLM

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

14. PERMIT NO.
43-047-31769

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4947' GR 4962' KB

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) Meter Sales Off Lease

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

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

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

Columbia Gas Development Corporation requests permission to meter sales off lease for the Federal #33-6-F. This well is hooked into Alta's gathering system, and an allocation meter is on lease. However, the actual Mountain Fuels sales meter is off lease.

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

SIGNED Trieba M. DiClemente TITLE Regulatory Technician DATE 8/4/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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

DATE: 8-15-88
BY: John R. Bay

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

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.



March 6, 1989

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

RECEIVED
 MAR 07 1989

Attention: Mr. John Baza

DIVISION OF
 OIL, GAS & MINING

Reference: Notice of Vented Gas
 Horseshoe Bend Field
 Uintah County, Utah

Dear Mr. Baza:

In accordance with our conversation this morning, and your temporary approval, please be advised that gas is being vented for more than 24 hours at the following well locations. At your request, average daily production rates are listed for each well.

Alta #5-1-B	57 BOPD, 109 MCFD, 22 BWPD	43-047-31776	7 S 21 E	Sec 5
Alta #5-2-C	35 BOPD, 15 MCFD, 12 BWPD	43-047-31843	7 S 21 E	Sec 5
Fed. #33-3-J	33 BOPD, 68 MCFD, 29 BWPD	43-047-31804	6 S 21 E	Sec 33
Fed. #33-6-F	49 BOPD, 104 MCFD, 32 BWPD	43-047-31769	6 S 21 E	Sec. 33
Fed. #33-7-L	67 BOPD, 30 MCFD, 34 BWPD	43-047-31844	6 S 21 E	Sec. 33
Fed. #33-8-N	54 BOPD, 74 MCFD, 11 BWPD	43-047-31787	6 S 21 E	Sec. 33

Phoenix Natural Gas Company, owned and operated by Alta Energy, gathers the gas from each of these locations. The gas is then processed through a central compressor station, owned by Phoenix, before it is sold to Mountain Fuels. Phoenix has advised that the H₂S scrubbing tower is having functional problems which causes the compressor station to go down, and which results in the venting of our gas. Should the venting continue by the end of this week, I will advise.

Should you have any questions, or require additional information, please contact me at 713/787-3400.

Very Truly Yours,

Trisha M. DiClementi
 Regulatory Technician

cc: N. R. Smith
 W. J. Ditter



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangarter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

March 27, 1989

Ms. Trisha M. DiClementi
Columbia Gas Development Corporation
5847 San Felipe
P.O. Box 1350
Houston, Texas 77251-1350

Dear Ms. DiClementi:

Re: Approvals of Gas Flaring or Venting

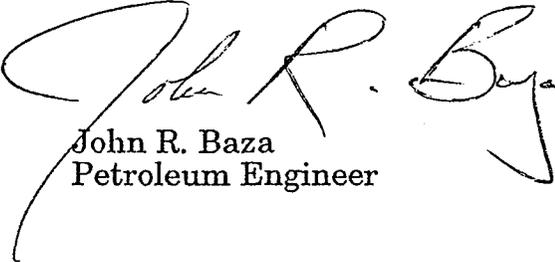
In response to your letter dated March 6, 1989, regarding gas flaring or venting from six wells in Uintah County, Utah, I felt it important to provide you with additional information concerning gas flaring or venting approvals. As of March 17, 1989, the Board of Oil, Gas and Mining adopted certain changes in the Oil and Gas Conservation General Rules. One of the affected rules is entitled Gas Flaring or Venting and has been renumbered as Rule R615-3-20. A copy of the modified rule is attached. The changes in the rule do not affect the verbal approval which I provided during our telephone conversation of March 6, 1989, and I believe the new rule will allow the flexibility to produce your wells as necessary during future emergency disruptions in the gas transmission system.

The significant changes in the rule on gas flaring and venting are firstly, that the operator of a well may now vent or flare up to 1800 Mcf of gas per month without approval and secondly, that operators are allowed specific unavoidable or short-term gas flaring or venting without approval in accordance with R615-3-20-4, 4.1, 4.2, and 4.2. The primary condition of allowing emergency gas flaring or venting is notification to the Division in accordance with Rule R615-3-32, Reporting of Undesirable Events (A copy of this rule is also attached). Therefore, in future cases of disruption in gas transmission, you should continue to perform as you did in this case and provide the Division with telephone notification with follow up written notification.

Page 2
Ms. Trisha DiClementi
March 27, 1989

I hope this adequately explains the requirements for obtaining gas flaring or venting approval. Please contact me again if you have any questions regarding our procedures.

Sincerely,



John R. Baza
Petroleum Engineer

Enclosures
cc: D. R. Nielson
R. J. Firth
Well file
OI2/170-171



March 29, 1989

State of Utah Natural Resources
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED
MAR 30 1989

DIVISION OF
OIL, GAS & MINING

Attention: Mr. John Baza

Reference: Notices of Vented Gas
Alta #5-1-B, Alta #5-2-C ✓
Federal #33-3-J, Federal #33-6-F
Federal #33-7-L, Federal #33-8-N
Horseshoe Bend Field
Uintah County, Utah

Dear Mr. Baza:

Pursuant to my conversation with Mr. Gary Garner of today's date, enclosed please find Sundry Notices reporting vented gas from the above referenced well. The venting has exceeded BLM regulations as stated in NTL-4A, and the Vernal District office has instructed Columbia to submit Sundry Notices reflecting the number of hours and the amount of gas that has been vented for the month-to-date.

As I have mentioned in our previous conversations and correspondence, the gas has been vented due to problems at Phoenix's compressor station, and Columbia is not notified in advance to the venting. However, I will advise you should the venting become excessive again.

Should you have any questions, or require additional information, please contact me at 713/787-3400.

Very Truly Yours,

Trisha M. DiClementi
Regulatory Technician

TMD
Enclosures

5-1-B	43-047-31776	7 S 21E Sec. 5
5-2-C	43-047-31843	7 S 21E Sec. 5
33-3-J	43-047-31804	6 S 21E Sec. 33
33-6-F	43-047-31769	6 S 21E Sec. 33
33-7-L	43-047-31844	6 S 21E Sec. 33
33-8-N	43-047-31787	6 S 21E Sec. 33

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

6

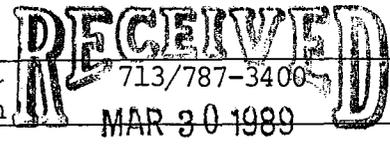
SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Columbia Gas Development Corporation

3. ADDRESS OF OPERATOR
P. O. Box 1350, Houston, TX 77251-1350



3. LEASE DESIGNATION AND SERIAL NO.
Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
Federal

9. WELL NO.
#33-6-F

10. FIELD AND POOL, OR WILDCAT
Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR ARMA
Sec. 33, T6S, R21E, S1M

12. COUNTY OR PARISH
Uintah

13. STATE
Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
SW NW, 2140' FNL & 2140' FWL, Sec. 33, T6S, R21E, SLB&M

14. PERMIT NO.
43-047-31769

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
4947' GR 4962' KB

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

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

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

Phoenix Nat. Gas Co. gathers and processes the gas from the referenced well. Phoenix has advised that the H2S scrubbing tower is having functional problems which causes the compressor station to go down, and which results in the venting of our gas. Columbia is not advised of the venting until after the fact, and to date the amount of venting is as follows:

Date	Hours	MCF
3/01/89	8	20
3/04/89	8	20
3/05/89	24	180
3/06/89	24	176
3/12/89	24	204
3/21/89	24	180
3/23/89	24	180
3/24/89	?	40
3/25/89	?	34
3/26/89	24	208
3/27/89	24	200
TOTAL	184 Hours	1442 MCFs

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

SIGNED Triebel M. DiClemente TITLE Regulatory Technician DATE 3/29/89

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

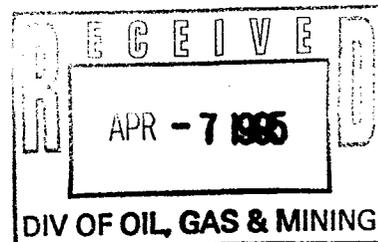
*See Instructions on Reverse Side

COLUMBIA GAS

Development



April 6, 1995

VIA AIRBORNE EXPRESS

State of Utah Natural Resources
Oil, Gas, & Mining Division
355 W. North Temple, 3 Triad Center, Ste. 350
Salt Lake City, Utah 84180-1203

Attention: Diane Nielson

Reference: **Federal #33-3-J**
Federal #33-6-F
Cowden #31-3-C
Horseshoe Bend Field
Uintah County, Utah

Dear Ms. Nielson:

Please see the following sundry notices containing information on re-completion procedures for the above-referenced wells. We hope to start work on these jobs in late April or the first of May. If these procedures meet with your approval please notify me at the address below.

Should you have any questions, or require additional information, please contact me at 713/871-3338, or at the address given below.

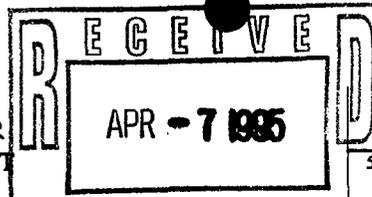
Sincerely,

COLUMBIA GAS DEVELOPMENT CORPORATION

A handwritten signature in cursive script that reads "Keith Oliver".

Keith Oliver
Regulatory Clerk

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 OF OIL, GAS & MINING

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

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Columbia Gas Development Corporation

3. Address and Telephone No.

P.O. Box 1350 Houston, TX 77251-1350

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

SW NW 2140' FNL & 2140' FWL of Sec. 33, T6S, R21E, SLB&M

5. Lease Designation and Serial No.

J-28212

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

Federal #33-6-F

9. API Well No.

43-047-31769

10. Field and Pool, or Exploratory Area

Horseshoe Bend

11. County or Parish, State

Uintah, Co., Utah

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

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

See Attachment for Details

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

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

Signed Keith Olson Title Regulatory Clerk Date 4-6-95

(This space for Federal or State office use)

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

**Federal 33-6-F
Horseshoe Bend Field
Uintah County, Utah**

Re-completion Procedure:

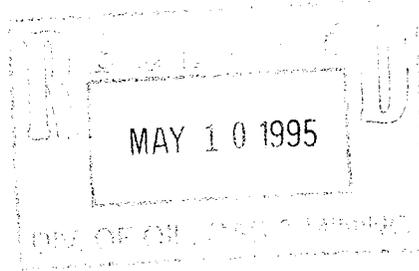
1. MIRU workover rig. Pull rods pump. POOH w/tubing
2. Set cement retainer at 7000'. RU cement pumping company and pump 50 sx of neat Class "G" cement. Squeeze well with 35 sx of cement. Sting out of retainer and leave the last 15 sx on top of the retainer. PT casing to 2,000 psi for 15 minutes.
3. Perf 3,633' to 3,639' with 4SPF.
4. RIH w/packer. Set packer at 3,500'. Acidize perforations with 600 gallons of nitrified 15% HCl.
5. Swab test well.
6. Set BP at 3,628'. POOH
7. PT casing 1,000 psi. Perf the following intervals: 3,621'-3,624'; 3,607'-3,612'; 3,582-3,590'; 3,508'-3,514' w/4 SPF.
8. Set packer at 3,400'. Acidize perforations with 2,500 gallons of nitrified 15% HCl.
9. Swab test well. POOH. RIH and pull RBP. RIH and set packer at 3,400. Swab well on production.

COLUMBIA GAS

Development



May 9, 1995



VIA AIRBORNE EXPRESS

State of Utah Natural Resources
Oil, Gas, & Mining Division
355 W. North Temple, 3 Triad Center, Ste. 350
Salt Lake City, Utah 84180-1203

Attention: Diane Nielson

Reference: Federal #33-3-J
Federal #33-6-F
Cowden #31-3-C
Horseshoe Bend Field
Uintah County, Utah

Dear Ms. Nielson:

Please see the following sundry notices containing information on recompletion procedures for the above-referenced wells. There have been a few small changes in the recompletion procedures. Please look over them and contact me at the address below. Copies have already been sent to the BLM in Vernal. We hope to start work on these jobs after we receive your approval.

Should you have any questions, or require additional information, please contact me at 713/871-3338, or at the address given below.

Sincerely,

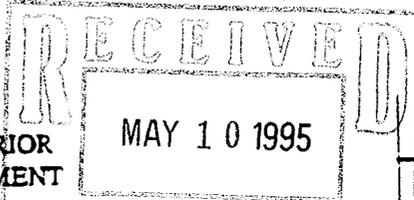
COLUMBIA GAS DEVELOPMENT CORPORATION

Keith Oliver
Regulatory Clerk

*New) [unclear] [unclear]
[unclear] [unclear]
send copy of approval*

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



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

SUNDRY NOTICES AND REPORTS ON WELLS, GAS & MINING

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-28212

6. If Indiar. Allottee or Tribe Name
NA

7. If Unit or CA. Agreement Designation
NA

8. Well Name and No.
Federal #33-6-F

9. API Well No.
43-047-31769

10. Field and Pool, or Exploratory Area
Horseshoe Bend

11. County or Parish, State
Uintah, Ut

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Columbia Gas Development Corporation

3. Address and Telephone No.
P.O. Box 1350 Houston, TX 77251-1350

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SW NW ^E 2140' FNL & 2140' FWL of Sec. 33, T6S, R21E, SLB&M

12. CHECK APPROPRIATE BOX(es) 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 checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water: <small>(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attachment for details.

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

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

Signed Keith Oliver Title Regulatory Clerk Date 5-9-95

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

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

Federal 33-6-F

Horseshoe Bend Field
Uintah County, Utah

Revised Prognosis

1. MIRU workover rig. Pull rods and pump. Kill well with FSW. NU BOP's. Unseat tubing anchor and POOH w/ tubing.
2. RIH w/ cast iron bridge plug on tubing. Set cast iron bridge plug at 6,850'. PT casing to 500 psi. RU cement pumping company and pump 35 sx of neat Class "G" cement with 5 BBL FW spacers on both sides of the slurry. Spot the slurry on top of the bridge plug. PU 200'. Reverse circulate tubing clean with 2% KCL water. POOH. PT casing to 2,000 psi for 15 minutes. *Note: This abandonment technique will allow for later recompletion back to the Green River in the event of a future water flood project or permanent abandonment of the Green River if the water flood does not come to fruition.*
3. RU wireline company. RU and test lubricator. Perforate 3,633' to 3,639' with 4 SPF. RD wireline company.
4. RIH w/ packer. Hydro test tubing to 5,000 psi going in hole. Set packer at 3,500'. ND BOP's. NU tree. PT annulus to 1,000 psi. Acidize perforations with 600 gallons of nitrified 15%HCl.
5. Swab test well. After testing, kill well with 2% KCL water. ND tree. NU BOP's. POOH. If lower interval tests wet, RU wireline company and set CIBP at 3,628'. Proceed to step #7.
6. If lower interval is productive, RIH w/ RBP on wireline. Set RBP at 3,628'. POOH w/ setting tool.
7. PT casing to 1,000 psi. RU wireline unit. RU and test lubricator. Perforate the following intervals: 3,621'-3,624'; 3,607'-3,612'; 3,582'-3,590'; 3,508'-3,514' w/ 4 SPF. RD wireline company.
8. RIH w/ packer. Set packer at 3,400'. ND BOP's. NU tree. PT annulus to 1,000 psi. Acidize perforations with 2,500 gallons of nitrified 15%HCl.
9. Swab test well.
10. After testing, If a RBP was set, kill well with 2% KCL water. ND tree. NU BOP's. POOH. RIH with retrieving tool and pull RBP. RIH and set packer at 3,400'. ND BOP's. NU tree. Swab well on production.

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

SONJA ROLFES
 COLUMBIA GAS DEVELOPMENT
 PO BOX 1350
 HOUSTON TX 77251

UTAH ACCOUNT NUMBER: N5035

REPORT PERIOD (MONTH/YEAR): 6 / 96

AMENDED REPORT (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
GOVT EVELYN CHAMBERS #1 4303730572	07100	31S 24E 6	ISMV			426467		
GOVT EVELYN CHAMBERS #2 4303730612	07100	31S 24E 5	ISMV			426467		
FEDERAL 33-8-N 4304731787	10760	06S 21E 33	GRRV			437116		
COWDEN 31-3-C 4304731768	10761	06S 21E 31	GRRV			431736		
ALTA #5-1-B 4304731776	10771	07S 21E 5	GRRV			FEE	(Bond OK)	
FEDERAL 33-6-F 4304731769	10779	06S 21E 33	SE NW GRRV			428212		
ERAL 33-3-J 4304731804	10787	06S 21E 33	NWSE GRRV			428212		
FEDERAL 33-7-L 4304731844	10915	06S 21E 33	NWSE GRRV			450687	C.A. KTW60783	
ALTA 5-2-C 4304731843	10916	07S 21E 5	GRRV			FEE	(Bond OK)	
KANE SPRINGS FEDERAL 27-1 4301931310	11180	25S 19E 27	CNCR			465971	Kane Springs Unit	
KANE SPRINGS FEDERAL 19-1A 4301931324	11353	26S 20E 19	CNCR			42153626	Kane Springs Unit	
KANE SPRINGS FEDERAL 28-1 4301931325	11354	25S 19E 28	CNCR			450678	SOE Kane Springs Unit/Non RA	
KANE SPRINGS FEDERAL 10-1 4301931331	11414	25S 18E 10	CNCR			42147858	Kane Springs Unit	
TOTALS								

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

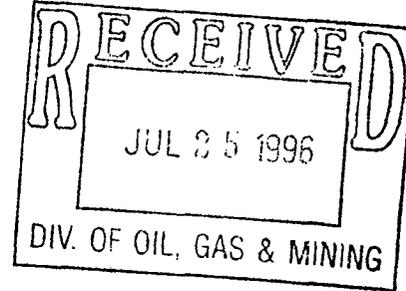
Telephone Number: _____



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3100
U-968 et al
(UT-932)

JUL 23 1996

NOTICE

Aviara Energy Corporation : Oil and Gas
P.O. Box 1350 : U-968 et al
Houston, Texas 77251-1350 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Columbia Gas Development Corporation to Aviara Energy Corporation on Federal oil and gas leases.

For our purposes, the name change is recognized effective May 1, 1996 (Secretary of State's approval date).

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator is required by our Field Offices, you will be contacted by them.

Due to the name change, the name of the principal on the bond is required to be changed from Columbia Gas Development Corporation to Aviara Energy Corporation on Bond No. U-391050-16RR (BLM No. CO0356). A rider effecting this change has been submitted to the Colorado State Office of the BLM, which holds this nationwide bond.

ROBERT LOPEZ

Group Leader,
Minerals Adjudication Group

Enclosure

Exhibit (1 p.)

bc: Lisha Cordova, State of Utah, Division of Oil, Gas and Mining, P.O. Box 145801, Salt Lake City, Utah 84114-5801
MMS-Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217
Moab District Office
Vernal District Office
Teresa Thompson (UT-931)
Irene Anderson (UT-932)

Exhibit of Leases

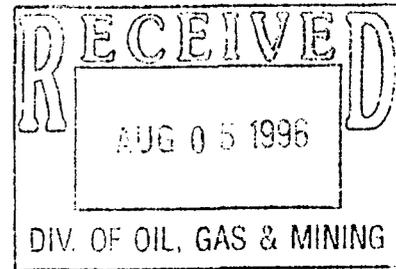
U-968	U-52277	UTU-65329
U-6911	U-52641	UTU-65795
U-15051	U-53624	UTU-65971
U-26467	U-53626	UTU-65972
U-28212	U-54037	UTU-65973
U-31736	U-55510	UTU-66020
U-34023	U-58517	UTU-66025
U-37116	U-60530	UTU-66849
U-46693	U-61182	UTU-67132
U-46697	U-61588	UTU-67552
U-47858	U-62181	UTU-67558
U-49964	U-62679	UTU-67854
U-50393	U-62832	UTU-68116
U-50678	U-62833	UTU-68117
U-50683	U-62906	UTU-68118
U-50687	U-63127	UTU-68122
U-51239	U-63128	UTU-68232
U-51636	UTU-64538	UTU-68342
U-51826	UTU-64927	UTU-69029
U-60780 (CA)	U-60783 (CA)	UTU-73405
UTU-67755X (Kane Springs Unit)		

***Aviara Energy
Corporation***

VIA AIRBORNE EXPRESS

2 August 1996

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



Re: Notification of Name Change from "Columbia Gas Development Corporation" to "Aviara Energy Corporation".

Dear Sirs;

Attached please find documents relating to our company name change from "Columbia Gas Development Corporation" to "Aviara Energy Corporation". I have attached our surety bond rider showing the name change of the principal as well as documents relating to the Corporate name change. These Corporate name change documents contain a Certificate of Corporate Resolution, a Certificate of Amendment of Certificate of Incorporation by the Secretary of State of the State of Delaware evidencing a change of name effective April 30, 1996 from "Columbia Gas Development Corporation" to "Aviara Energy Corporation" and an amended Certificate of Incumbency in accordance with the regulations concerning qualifications of corporations holding Federal leases. I have also attached a list of wells and their locations that will be affected by the name change.

We hereby formally request your acceptance of this rider, and thus, our name change. Please sign the rider and return the appropriate copies to Aviara Energy Corporation (attn: Mr. Dean Roy). Also, please have your office make the necessary changes in your records to reflect this name change at this time.

Should you have questions or require additional information, please feel free to call me at (713) 871-3631. Thank you.

Respectfully,


Donny W. Worthington
Manager, Environmental, Safety & Regulatory

DWW/
attachments:

One Riverway, P.O. Box 1350, Houston, Texas 77251-1350 Telephone (713) 871-3400

UTAH

GRAND COUNTY

KANE SPRINGS FIELD

LOCATION

Kane Springs Federal #10-1	10-25S-18E
Kane Springs Federal Unit #16-1	16-25S-18E
Kane Springs Federal #19-1A	19-26S-20E
Kane Springs Federal #27-1	27-25S-19E
Kane Springs Federal #34-1	34-25S-19E
<i>Kane Springs Fed. 28-1</i>	<i>28-25S-19E</i>
<i>Kane Springs Fed. 20-1</i>	<i>20-26S-19E</i>

SAN JUAN COUNTY

LISBON FIELD

Government Evelyn Chambers #1 (T&Ad)
Government Evelyn Chambers #2 (T&Ad)

UINTAH COUNTY

HORSESHOE BEND FIELD

WELL

LOCATION

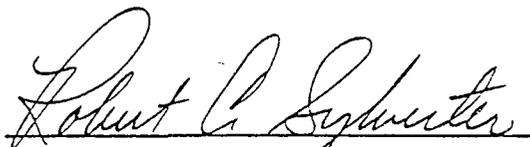
Alta 5-1-B	5-7S-21E
Alta 5-2-C	5-7S-21E
Cowden 31-3-C	31-6S-21E
Federal 33-3-J	33-6S-21E
Federal 33-6-F	33-6S-21E
Federal 33-7-L	33-6S-21E
Federal 33-8-N	33-6S-21E

CERTIFICATE

I, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, a corporation organized and existing under the laws of the State of Delaware, do hereby certify that the attached document titled Certificate of Amendment of Certificate of Incorporation is a true and correct copy of the Certificate of Amendment of Certificate of Incorporation filed in the Secretary of State of the State of Delaware's office on April 30, 1996.

IN WITNESS WHEREOF, I have hereunto set my hand and the seal of said Corporation this

5th day of July, 1996.



Robert C. Sylvester
Assistant Secretary

CORPORATE SEAL

Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COLUMBIA GAS DEVELOPMENT CORPORATION", CHANGING ITS NAME FROM "COLUMBIA GAS DEVELOPMENT CORPORATION" TO "AVIARA ENERGY CORPORATION", FILED IN THIS OFFICE ON THE THIRTIETH DAY OF APRIL, A.D. 1996, AT 1:15 O'CLOCK P.M.



Edward J. Freel

Edward J. Freel, Secretary of State

0735923 8100

960125685

AUTHENTICATION:

DATE:

7928485

05-01-96

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 01:15 PM 04/30/1996
960124621 - 735923

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
COLUMBIA GAS DEVELOPMENT CORPORATION

Columbia Gas Development Corporation (the "Corporation"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Certificate of Incorporation of Columbia Gas Development Corporation is amended by amending Article First thereof to read in its entirety as follows:

"FIRST: The name of the corporation (hereinafter called "the Corporation") is Aviaara Energy Corporation."

SECOND: That said amendment was duly adopted in accordance with the provisions of §242 of the General Corporation Law of the State of Delaware and has been consented to in writing by the sole stockholder in accordance with §228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said Columbia Gas Development Corporation has caused this Certificate to be signed by Larry J. Bainter, its Treasurer this 29th day of April 1996.

Exec. President
[Signature]

COLUMBIA GAS DEVELOPMENT CORPORATION

By: *[Signature]*
Name: Larry J. Bainter

CERTIFICATE

The undersigned hereby certifies that he is Assistant Secretary of Aviara Energy Corporation, a Delaware corporation (the "Corporation"), that on the 19th day of June, 1996 by Unanimous Consent of the Board of Directors of the Corporation in Lieu of Special Meeting, pursuant to Section 141(f) of the Delaware Corporation Law, the following resolutions were adopted, with the same force and effect as though adopted at a Special Meeting of the Board of Directors of the Corporation duly called and held, that such resolutions are now in full force and effect, and that said resolutions have not been amended or rescinded:

RESOLVED, that, the Chairman and Chief Executive Officer, the President and Chief Operating Officer, the Vice Presidents and the Secretary of the Corporation, be and each of them is hereby authorized and empowered, without the joinder of any other officer of the Corporation, to execute for and on behalf of the Corporation, any and all bids for leases from the United States of America, through the Minerals Management Service (Department of Interior), of any tract or tracts owned by the United States of America, located in either onshore or offshore areas, including tracts in the Outer Continental Shelf, as may at any time, and from time to time, heretofore have been offered or hereafter may be offered for lease by the United States of America, all on such terms and conditions as may be specified in any such offer to lease and on such terms and conditions and for such consideration as the aforementioned officers of the corporation, or any one of them, may deem proper and advisable; and to further execute on behalf of the Corporation all agreements and other instruments (including, without limitation, applications, bids, leases, bonds, assignments, relinquishments, prospecting permits, division and transfer orders, guarantees, indemnities, designations of operator, unitization agreements, operating agreements, liquids commingling agreements, general correspondence and any other documents) which may be necessary, useful or expedient at any time in carrying on the business of the Corporation involving any such lease or asset with the United States of America or any agency, bureau or department thereof; and

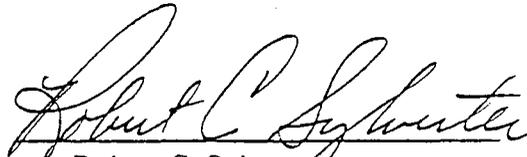
RESOLVED, that, any of such officers is further authorized and empowered to sell, assign, transfer, convey and deliver, in the name and on behalf of the Corporation any or all right, title and interest of any character in any lease or asset now owned or hereafter acquired by the Corporation covering any tract or tracts owned by the United States of America, or obtained or used in connection therewith, wherever located, for such prices and upon such terms and conditions as shall be approved by the Board of Directors; and

RESOLVED, that, the Chairman and Chief Executive Officer, the President and Chief Operating Officer, the Vice Presidents and the Secretary of the Corporation, be, and each of them is, hereby authorized and empowered, without the joinder of any other officer of the Corporation, to execute for and on behalf of the Corporation, any and all agreements and other instruments (including without limitation assignments of mining leases, prospecting permits, letter agreements,

consent forms, applications and approval letters) with the Tribe(s) of the Fort Peck Reservation and the Three Affiliated Tribes of the Fort Berthold Indian Reservation or any agency, bureau or department thereof, or any agency, bureau or department of the United States of America concerning same on such terms and conditions as may be specified and for such consideration as he may deem proper and advisable which may be necessary, useful or expedient at any time in carrying on the business of the Corporation upon the aforementioned Reservations; and

RESOLVED, that, the foregoing resolutions be deemed, and are effective, for all purposes as of April 30, 1996.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the seal of the Corporation this 5th day of July, 1996.



Robert C. Sylvester
Assistant Secretary

CORPORATE SEAL

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

STATEMENT OF AVIARA ENERGY CORPORATION

The undersigned, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, being first duly sworn on his oath, states that the following is correct to the best of his knowledge.

1. State of Incorporation. Aviara Energy Corporation is incorporated in the State of Delaware.
2. Authorization to hold oil and gas leases on OCS and other federal lands. Aviara Energy Corporation is authorized to hold oil and gas leases on the Outer Continental Shelf, on other federal lands, including onshore lands, and on tribal lands administered by the Bureau of Indian Affairs or other agency.

Dated this 5th day of July, 1996.

AVIARA ENERGY CORPORATION

By Robert C. Sylvester
Robert C. Sylvester
Assistant Secretary

CORPORATE SEAL

SUBSCRIBED AND SWORN TO before me this 5th day of July, 1996.

Carolyn Oliver
Notary Public, State of Texas



CAROLYN OLIVER
NOTARY PUBLIC, STATE OF TEX.
MY COMMISSION EXPIRES
JULY 19, 1997

CERTIFICATE OF INCUMBENCY

I, Robert C. Sylvester, Assistant Secretary of Aviara Energy Corporation, a Delaware corporation (the "Company"), do hereby certify that the following named persons now are, and at all times on and subsequent to April 30, 1996, have been duly elected or appointed, qualified and acting officers of the Company holding the offices set after their respective names as follows:

Tracy W. Krohn	Chairman and Chief Executive Officer
James L. Parker	President and Chief Operating Officer
David M. McCubbin	Vice President
Gary J. Mabie	Vice President
Ken Fagan	Vice President
Robert C. Sylvester	Treasurer and Assistant Secretary
Ivan Irwin, Jr.	Secretary
Jere F. Freel	Assistant Secretary

IN WITNESS WHEREOF, I have executed this Certificate and affixed the seal of the Company this 3rd day of July, 1996.


Robert C. Sylvester, Assistant Secretary

CORPORATE SEAL

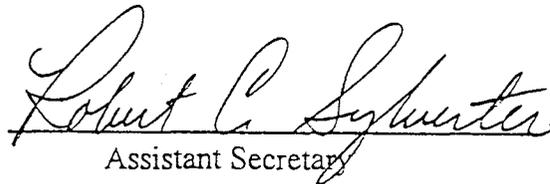
CERTIFICATE

I, Robert C. Sylvester, on behalf of Aviara Energy Corporation, (hereinafter called the "Company"), hereby certify that I am an Assistant Secretary of the Company and that:

The following officers and employees are authorized to execute leases, bids for leases, offers to lease, subleases, permits, licenses, applications therefor, assignments thereof, and requests for approval thereof, and other similar documents and to act on behalf of the Company in such matters.

<u>Name</u>	<u>Office/Title</u>
Tracy W. Krohn	Chairman and Chief Executive Officer
James L. Parker	President and Chief Operating Officer
Gary J. Mabie	Vice President
David M. McCubbin	Vice President
Ken Fagan	Vice President
Ivan Irwin, Jr.	Secretary

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal of the Company
this 5th day of July, 1996.


Assistant Secretary

CORPORATE SEAL

ENTITY REVIEW

- Lee 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- Lee 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. *Trust Lands/Rec'd Bond Rider "Columbia to Avicara" *Rec'd "Rider" 8-5-96; bond no. chg'd to U274145L 80,000 Avicara Energy Corporation, United Pacific Ins.*
2. A copy of this form has been placed in the new and former operator's bond files. ** Upon Compl. of routing.*
- N/A 3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

FILMING

- WDR 1. All attachments to this form have been microfilmed. Today's date: August 21, 1996

FILING

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

COMMENTS

760725 BLM/SL Aprv. 1H. 5-1-96.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

U-28212

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA/Agreement, Name and/or No.

NA

8. Well Name and No.

Federal #33-6-F

9. API Well No.

43-047-31769

10. Field and Pool, or Exploratory Area

Horseshoe Bend

11. County or Parish, State

Uintah, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Aviara Energy Corporation

3a. Address

P.O. Box 1350, Houston TX 77251-1350

3b. Phone No. (include area code)

713-871-3400

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

SW NW, 2140' FNL & 2140' FWL
Sec. 33, T6S, R21E

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Produced water from this well is being disposed of at the following disposal facility:

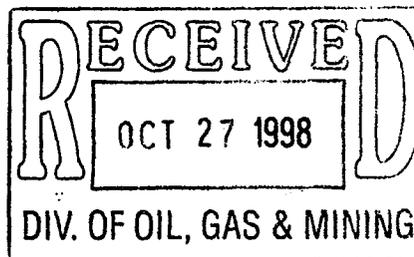
Stirrup State #32-6
NENE Sec. 32, T6S, R21E
Uintah County, Utah

Operated by:
Snyder Oil Corporation

The facility listed below is an alternate disposal facility:

LaPoint Disposal Pit
Sec. 12, T5S, R19E

Operated by:
Dave Murray



Produced water is trucked to the disposal location from the well/storage site.

14. I hereby certify that the foregoing is true, and correct
Name (Printed/Typed)

Victoria Guidry

Victoria Guidry

Title

Production/Regulatory Coordinator

Date

08/31/98

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, 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 July 31, 1996

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

UTU-28212

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA/Agreement, Name and/or No.

NA

8. Well Name and No.

Federal #33-6-F

9. API Well No.

43-047-31769

10. Field and Pool, or Exploratory Area

Horseshoe Bend

11. County or Parish, State

Uintah, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Aviara Energy Corporation

3a. Address

P.O. Box 1350, Houston TX 77251-1350

3b. Phone No. (include area code)

713-871-3400

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

2140' FNL & 2140' FWL
SE NW, Sec. 33 T6S R21E

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Semi-annual</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Gas Meter</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	<u>Calibration</u>

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Request approval to calibrate gas sales meter on a semi-annual basis.

The Federal 33-6-F produces less than 100 MCFPD. Based on daily field production information from April 24, 2000 the well is producing approximately 32 MCFPD, 12 BOPD, and 5 BWPD.

RECEIVED

MAY 01 2000

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

COPY SENT TO OPERATOR

Date: 5-2-00
Initials: CHD

DIVISION OF
OIL, GAS AND MINING

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

Name (Printed/Typed)

Victoria Guidry

Victoria Guidry

Title

Production/Regulatory Coordinator

Date

04/26/00

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Federal Approval of this
Action is Necessary

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, 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.

(Instructions on reverse)

HUNT PETROLEUM (AEC), INC.
1601 Elm Street, Suite 3400
Dallas, Texas 75201

July 11, 2002

State of Utah
Department of Oil, Gas & Minerals
1594 West N. Temple, Suite 1210
Salt Lake City, Utah 84114-5801

Attn: Mr. Jim Hamilton

Re: Travelers Bond No. 103860066

Dear Sir:

This is to advise you that Aviara Energy Corporation has changed its name to Hunt Petroleum (AEC), Inc., effective July 1, 2002. Attached is a Surety Rider to Travelers Bond #103860066 (which replaced CNA Bond No. 159209096) and a copy of the Surety Bond on State of Utah Form 4A currently on file with the State of Utah, Department of Natural Resources.

If you have any questions please give me a call at (214) 880-8916.

Yours very truly,



Mary Melvin
Legal Assistant

attachments

cc: Max Gardner (w/enc.)
Donny Worthington (w/enc.)
Gerald Phillips (w/enc.)

Receipt acknowledged this ___ day of July 2002.

STATE OF UTAH, Department of Oil, Gas & Minerals

By: _____

Title: _____

RECEIVED
JUL 15 2002
DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Colorado State Office
2850 Youngfield Street
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:
3106 (MM)

July 22, 2002

NOTICE

Hunt Petroleum (AEC), Inc. :
1601 Elm Street, Suite 3400 : Oil and Gas
Dallas, TX 75201 :

Name Change Recognized

Acceptable evidence was filed and accepted by this office concerning the name change of Aviara Energy Corporation to Hunt Petroleum (AEC), Inc. with Hunt Petroleum (AEC), Inc. being the surviving entity. For our purposes, the name change was recognized effective July 1, 2002 the date of acceptance by the Secretary of the State of Delaware.

A rider changing the name of the principal on Nationwide bond number 159209244 (BLM Bond CO-1274) previously held by Aviara and issued by Continental Casualty Company, was changed to Hunt Petroleum (AEC), Inc. effective July 12, 2002.

The oil and gas lease files identified on the enclosed Exhibit A, supplied by Hunt Petroleum (AEC), Inc. were updated to reflect the new name. We have not abstracted the lease files to determine if the entities affected by the name change hold an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Mineral Management Services (MMS) and applicable Bureau of Land Management (BLM) Field Offices of the name change by copy of this notice. If our field offices require additional documentation for changes of operator, they will contact you.

If you identify additional leases where the affected parties maintain an interest, please contact this office and we will document the files under our jurisdiction with a copy of this Notice. If the leases are under the jurisdiction of another State Office, we will notify them.

If you have any questions concerning this correspondence, please call Martha Maxwell at (303)239-3768.

Michelle K. Derringer
FOR Beverly Derringer
Chief, Fluid Minerals Adjudication

Exhibit A sent to Eastern SO, New Mexico SO, Montana SO, Utah SO, Wyoming SO &
MMS-MRM, MS357B1, PO Box 5760, Denver, CO 80217
Decision Letter sent to All State Offices via BLM_Fluids_Forum

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See attachment</u>		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Hunt Petroleum (AEC), Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1601 Elm Street, Suite 3400 Dallas, TX 75201		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: 214-880-8855		8. WELL NAME and NUMBER:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		9. API NUMBER:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		10. FIELD AND POOL, OR WILDCAT:
		COUNTY:
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Change of company from Aviara Energy Inc. to Hunt Petroleum (AEC), Inc. effective July 1, 2002.

NAME (PLEASE PRINT) Lisa Augustine TITLE Agent

SIGNATURE *Lisa Augustine* DATE August 6, 2002

(This space for State use only)

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AUG 07 2002
DIVISION OF
OIL, GAS AND MINING

api	well_name	section	township	range	ll_status_m
4301931310	KANE SPRINGS FED 27-1	27	250S	190E	P
4301931324	KANE SPRINGS FED 19-1A	19	260S	200E	P
4301931325	KANE SPRINGS FED 28-1	28	250S	190E	S
4301931331	KANE SPRINGS FED 10-1	10	250S	180E	P
4301931332	KANE SPRINGS FED 20-1	20	260S	190E	S
4301931334	KANE SPRINGS FED 25-19-34-1	34	250S	190E	P
4301931363	CANE CREEK FEDERAL 7-1	07	250S	190E	DRL
4301931364	CANE CREEK FED 11-1	11	260S	190E	DRL
4301931365	CANE CREEK 30-1	30	260S	200E	APD
4301931379	KANE SPRINGS FED 3-1	03	260S	190E	APD
4303730572	GOVT EVELYN CHAMBERS 1	06	310S	240E	S
4303730612	GOVT EVELYN CHAMBERS 2	05	310S	240E	S
4304731768	COWDEN 31-3-C	31	060S	210E	S
4304731769	FEDERAL 33-6-F	33	060S	210E	P
4304731787	FEDERAL 33-8-N	33	060S	210E	P
4304731804	FEDERAL 33-3-J	33	060S	210E	S
4304731844	FEDERAL 33-7-L	33	060S	210E	P
4301931341	KANE SPRINGS 16-1	16	250S	180E	A
4304731776	ALTA 5-1-B	05	070S	210E	P
4304731843	ALTA 5-2-C	05	070S	210E	P

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW ✓
3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **07-01-2002**

FROM: (Old Operator):	TO: (New Operator):
AVIARA ENERGY CORPORATION	HUNT PETROLEUM (AEC) INC
Address: 1601 ELM STREET, STE 3400	Address: 1601 ELM STREET, STE 3400
DALLAS, TX 75201	DALLAS, TX 75201
Phone: 1-(214)-880-8850	Phone: 1-(214)-880-8850
Account No. N5500	Account No. N2180

CA NO.

Unit:

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
GOV'T EVELYN CHAMBERS 2	05-31S-24E	43-037-30612	7100	FEDERAL	GW	S
GOV'T EVELYN CHAMBERS 1	06-31S-24E	43-037-30572	7100	FEDERAL	GW	S
COWDEN 31-3-C	31-06S-21E	43-047-31768	10761	FEDERAL	GW	S
FEDERAL 33-6-F	33-06S-21E	43-047-31769	10779	FEDERAL	OW	P
FEDERAL 33-8-N	33-06S-21E	43-047-31787	10760	FEDERAL	OW	P
FEDERAL 33-3-J	33-06S-21E	43-047-31804	10787	FEDERAL	OW	S
FEDERAL 33-7-L	33-06S-21E	43-047-31844	10915	FEDERAL	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 07/15/2002
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08/07/2002
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 08/07/2002
- Is the new operator registered in the State of Utah: YES Business Number: 56883-0143
- If **NO**, the operator was contacted on: N/A
- (R649-9-2) Waste Management Plan received on: IN PLACE

6. **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: 07/01/2002

7. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on: 07/01/2002

8. Federal and Indian Communization Agreements ("CA"):

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. 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: 07/08/2002

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 08/08/2002
 2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/08/2002
 3. Bond information entered in RBDMS on: N/A
 4. Fee wells attached to bond in RBDMS on: N/A
-

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A
-

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: CO-1274
-

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A
-

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
 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:

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

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER: _____

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: _____

7. UNIT OF CO AGREEMENT NAME: _____

8. WELL NAME and NUMBER: _____

9. API NUMBER: _____

10. FIELD AND POOL, OR WILDCAT: _____

1. TYPE OF WELL OIL WELL GAS WELL OTHER See Attachment

2. NAME OF OPERATOR: Summit Operating, LLC

3. ADDRESS OF OPERATOR: PO Box 683909 CITY Park City STATE UT ZIP 84068 PHONE NUMBER: 435-940-9001

4. LOCATION OF WELL
FOOTAGES AT SURFACE: _____ COUNTY: _____
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Hunt Petroleum (AEC), Inc. is conveying 100% of its right, title and interest in and to the wells listed on the Attachment. N2180

NEW OPERATOR: Summit Operating, LLC
BLM BUND #: 478000014
EFFECTIVE DATE: 12/1/02

Name (Please Print) STEVE BROOKS Title LAND MANAGER
Signature [Signature] Date 1-27-03

NAME (PLEASE PRINT) David Lillywhite TITLE Manager
SIGNATURE [Signature] DATE 12/23/02

(This space for State use only)

179.158

October 22, 2002
List of Wells

<u>Well Name & Number</u>	<u>Location</u>	<u>Well Type</u>	<u>API Number</u>	<u>Well Status</u>
Federal 33-6-F	06S21E33	OW	4304731769	POW
Federal 33-7-L	06S21E33	OW	4304731844	POW
Federal 33-3-J	06S21E33	OW	4304731804	SOW
Federal 33-8-N	06S21E33	OW	4304731787	POW
Cowden 31-3-C	06S21E31	GW	4304731768	SGW
Alta 5-1-B	07S21E05	OW	4304731776	POW
Alta 5-2-C	07S21E05	OW	4304731843	POW

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: SUMMIT OPERATING, LLC <i>N2315</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO BOX 683909 CITY PARK CITY STATE UT ZIP 84068		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		8. WELL NAME and NUMBER: MULTIPLE
PHONE NUMBER: (435) 940-9001		9. API NUMBER: MULTIPLE
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: HORSESHOE BEND
STATE: UTAH		

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

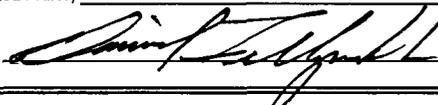
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
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	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: CHANGE OF OPERATOR
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Please be advised that Summit has acquired the following wells from Hunt Petroleum effective December 1, 2002. The properties will be operated by Summit Operating, LLC #N2315. The appropriate bonding should be in place with the state:

WELL NAME	API NUMBER
FEDERAL 33-3-J	43-047-31804-00-00-
FEDERAL 33-7-L	43-047-31844-00-00- ✓
FEDERAL 33-8-N	43-047-31787-00-00- ✓
COWDEN 31-3-C	43-047-31768-00-00-
ALTA 5-2-C	43-047-31843-00-00-
ALTA 5-1-B	43-047-31776-00-00-
FEDERAL 33-6-F	43-047-31769-00-00-

RECEIVED
JAN 28 2003
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>David Lillywhite</u>	TITLE <u>Manager</u>
SIGNATURE 	DATE <u>1/24/2003</u>

(This space for State use only)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: UTAH		8. WELL NAME and NUMBER: MULTIPLE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		9. API NUMBER: MULTIPLE
		10. FIELD AND POOL, OR WILDCAT: HORSESHOE BEND

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

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	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

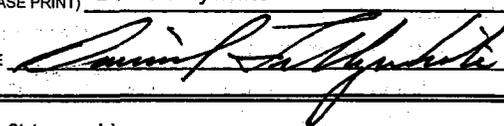
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FEDERAL 33-8-N	43-047-31787-00-00-
COWDEN 31-3-C	43-047-31768-00-00-
ALTA 5-2-C	43-047-31843-00-00-
ALTA 5-1-B	43-047-31776-00-00-
FEDERAL 33-6-F	43-047-31769-00-00-

RECEIVED
JAN 28 2003

DIV. OF OIL GAS & MINING

NAME (PLEASE PRINT) <u>David Lillywhite</u>	TITLE <u>Manager</u>
SIGNATURE 	DATE <u>1/24/2003</u>

(This space for State use only)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective **12/01/2002**

FROM: (Old Operator): HUNT PETROLEUM CORPORATION 1601 Elm Street, Suite 3400 Dallas, TX 75201 Phone: 1-(214) 880-8914 Account No. N 2180	TO: (New Operator): SUMMIT OPERATING, LLC PO Box 683909 Park City, UT 84068 Phone: 1-(435) 940-9001 Account No. N2315
--	---

CA No.

Unit:

WELL(S)								
NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
COWDEN 31-3-C	31	060S	210E	4304731768	10761	Federal	GW	S
FEDERAL 33-6-F	33	060S	210E	4304731769	10779	Federal	OW	P
FEDERAL 33-8-N	33	060S	210E	4304731787	10760	Federal	OW	P
FEDERAL 33-3-J	33	060S	210E	4304731804	10787	Federal	OW	S
FEDERAL 33-7-L	33	060S	210E	4304731844	10787	Federal	OW	P
ALTA 5-1-B	05	070S	210E	4304731776	10771	Fee	OW	S
ALTA 5-2-C	05	070S	210E	4304731843	10916	Fee	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 01/27/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 01/28/2003
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on 06/06/2003
- Is the new operator registered in the State of Utah: YES Business Number: 2036229-0160
- If **NO**, the operator was contacted on: _____
- (R649-9-2) Waste Management Plan has been received on: IN PLACE

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 BLM 06/09/2003 BIA N/A

8. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on 06/09/2003



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, Utah 84078-2799

<http://www.blm.gov/utah/vernal>

Phone: (435) 781-4400

Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3

UT08300

June 9, 2003

David Lillywhite
Summit Operating, LLC
P. O. Box 683909
Park City, Utah 84068

Re: Well No. Federal 33-6-F
SWNW, Sec. 33, T6S, R21E
Uintah County, Utah
Lease No. U-28212

Dear Mr. Lillywhite:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Summit Operating, LLC is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UTB000014, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Leslie Walker of this office at (435) 781-4497.

Sincerely,

Kirk Fleetwood
Petroleum Engineer

cc: UDOGM
OXY USA WTP LP

RECEIVED

JUN 11 2003

DIV. OF OIL, GAS & 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.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: Various
2. NAME OF OPERATOR: Summit Operating, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 683909 CITY Park City STATE UT ZIP 84068-3909		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		8. WELL NAME and NUMBER: Various
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER: Various
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Horseshoe Bend
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Summit operates the following wells that presently have produced water hauled to Dalbo's Glen Bench Disposal Facility:
 Federal 33-3-J: NWSE 33-6S-21E, API #43-047-31804
 Federal 33-6-F: SENW 33-6S-21E, API #43-047-31769
 Federal 33-7-L: NWSW 33-6S-21E, API #43-047-31844
 Federal 33-8-N: SESW 33-6S-21E, API #43-047-31787
 State 14-16: SWSW 16-7S-21E, API #43-047-31417

The wells presently produced a combined amount of 25 BWPD. All wells produce from the Green River formation and water analyses are attached.

Newfield Production Company (successor operator to Westport O&G) operates a Green River injection well named Stirrup State 32-6, located in NENE 32-6S-21E, 1/2 to 3 miles from Summit's wells. Newfield has agreed to use our production water as a source for their injection well.

We request permission to dispose of our produced water into Newfield's injection well. This would greatly reduce the time and expense of hauling water and improve the economic viability of our wells. The wells produce and inject into the same formation.

NAME (PLEASE PRINT) <u>Greg Schmidt</u>	TITLE <u>Agent for Summit Operating, LLC</u>
SIGNATURE <u><i>Greg Schmidt</i></u>	DATE <u>10/19/2005</u>

(This space for State use only)

COPY SENT TO OPERATOR
 Date: 11-3-05
 Initials: CTD

(5/2000)

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

Date: 10-24-05
 By: *[Signature]* (See Instructions on Reverse Side)

RECEIVED

OCT 21 2005

DIV. OF OIL, GAS & MINING

Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : State 14-16	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	90.3	2.31
Sodium	9,621.0	418.49
Calcium	240.0	11.98
Magnesium	73.2	6.02
Iron	5.8	0.21
Barium	225.0	3.28
Strontium	0.0	0.00
SUM +	10,255.3	442.29

ANIONS	mg/l	meq/l
Sulfate	100.0	2.08
Chloride	15,110.0	426.20
Carbonate	60.0	2.00
Bicarbonate	732.0	12.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	16,002.0	442.28

Solids

Total Dissolved Solids @180°C	25,780 mg/l
Total Solids, Calc less CO ₂	25,782 mg/l
Total Solids, Calculated	26,257 mg/l
Total Solids, NaCl equivalents	25,316 mg/l
Chloride as NaCl	24,458 mg/l
NaCl% of Total Dissolved Solids	94.86 %
Accuracy	0.00 Sigma

Sample Conditions

pH, s.u. (Field)	8.30 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.60 %
pH, s.u. (from CO ₂)	8.26 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.467 μ

Dissolved Gases

Bisulfide ion, HS ⁻	2.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	3.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	3.7 mg/l

Other Properties

Calcium Hardness as CaCO ₃	599.2 mg/l
Magnesium Hardness as CaCO ₃	301.8 mg/l
Total Hardness as CaCO ₃	901.0 mg/l
Hardness, grains	52.47 grains/gallon

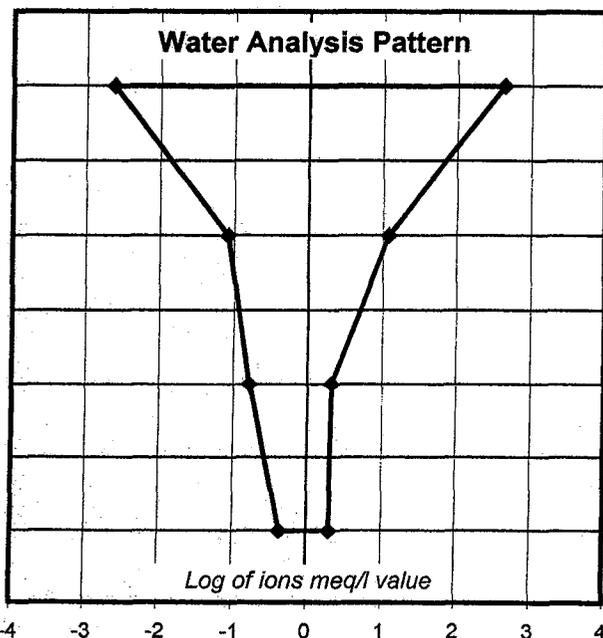
Specific Gravity	1.018 measured
Specific Gravity	1.018 calculated
Resistivity, 68°F	0.280 ohm-cm
Conductivity 25°C	35,715 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -



Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	24,457.6
Ca(HCO ₃) ₂	956.5
MgCl ₂	286.8
BaSO ₄	243.0
KCl	113.0
CaCl ₂	9.6

Note: nd denotes 'Not Determined'
 Analyzed by: Creg Wilkins
 Approved:
 04/10/00 v940MDCarney



Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-3-J	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	87.9	2.25
Sodium	10,004.0	435.15
Calcium	81.3	4.06
Magnesium	23.7	1.95
Iron	0.5	0.02
Barium	125.0	1.82
Strontium	0.0	0.00
SUM +	10,322.4	445.25

ANIONS	mg/l	meq/l
Sulfate	50.0	1.04
Chloride	15,040.0	424.22
Carbonate	60.0	2.00
Bicarbonate	1,098.0	18.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	16,248.0	445.26

Solids

Total Dissolved Solids @180°C	25,875 mg/l
Total Solids, Calc less CO ₂	25,876 mg/l
Total Solids, Calculated	26,570 mg/l
Total Solids, NaCl equivalents	25,609 mg/l
Chloride as NaCl	24,793 mg/l
NaCl% of Total Dissolved Solids	95.64 %
Accuracy	0.00 Sigma

Sample Conditions

pH, s.u. (Field)	8.30 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.80 %
pH, s.u. (from CO ₂)	8.30 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.463 μ

Dissolved Gases

Bisulfide ion, HS ⁻	2.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	3.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	4.9 mg/l

Other Properties

Calcium Hardness as CaCO ₃	203.0 mg/l
Magnesium Hardness as CaCO ₃	98.0 mg/l
Total Hardness as CaCO ₃	301.0 mg/l
Hardness, grains	17.53 grains/gallon

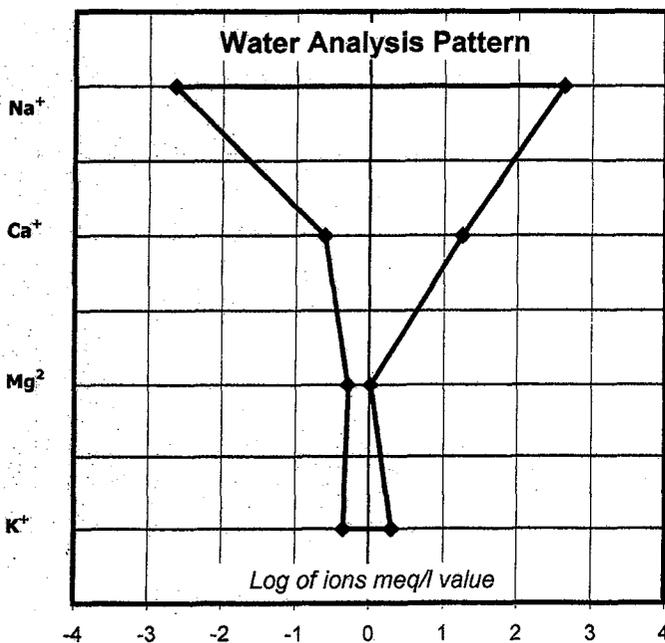
Specific Gravity	1.018 measured
Specific Gravity	1.018 calculated
Resistivity, 68°F	0.280 ohm-cm
Conductivity 25°C	35,715 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -



Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	24,747.6
NaHCO ₃	982.5
Ca(HCO ₃) ₂	328.8
Mg(HCO ₃) ₂	142.7
BaSO ₄	121.5
KCl	57.8

Note: nd denotes 'Not Determined'

Analyzed by: Creg Wilkins

Approved:

04/10/00 v940MDCarney



Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-6-F	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l	ANIONS	mg/l	meq/l
Potassium	94.3	2.41	Sulfate	85.0	1.77
Sodium	9,459.0	411.44	Chloride	14,190.0	400.25
Calcium	84.6	4.22	Carbonate	120.0	4.00
Magnesium	28.4	2.34	Bicarbonate	976.0	16.00
Iron	1.0	0.04	Bromide	0.0	0.00
Barium	105.0	1.53	Organic Acids	0.0	0.00
Strontium	0.0	0.00	Hydroxide	0.0	0.00
SUM +	9,772.3	421.98	SUM -	15,371.0	422.02

Solids

Total Dissolved Solids @180°C	24,485 mg/l
Total Solids, Calc less CO ₂	24,486 mg/l
Total Solids, Calculated	25,143 mg/l
Total Solids, NaCl equivalents	24,254 mg/l
Chloride as NaCl	23,392 mg/l
NaCl% of Total Dissolved Solids	95.53 %
Accuracy	0.01 Sigma

Sample Conditions

pH, s.u. (Field)	8.40 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.60 %
pH, s.u. (from CO ₂)	8.40 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.440 μ

Dissolved Gases

Bisulfide ion, HS ⁻	4.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	5.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	3.7 mg/l

Other Properties

Calcium Hardness as CaCO ₃	211.2 mg/l
Magnesium Hardness as CaCO ₃	116.8 mg/l
Total Hardness as CaCO ₃	328.0 mg/l
Hardness, grains	19.10 grains/gallon

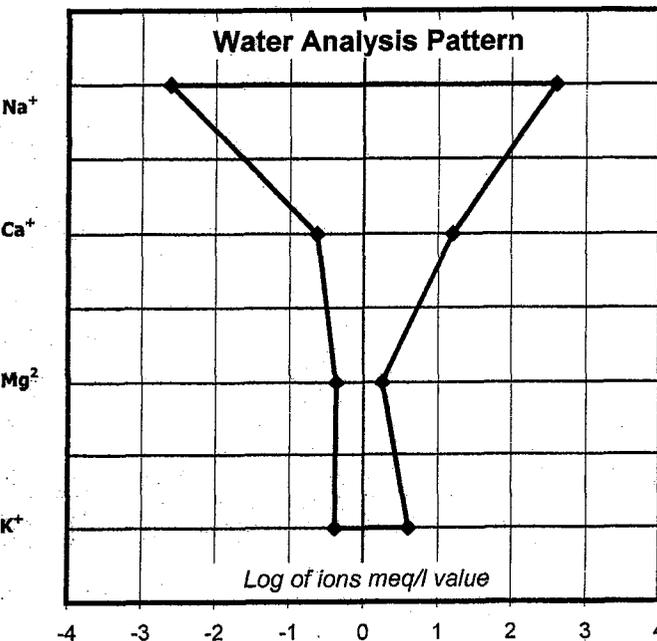
Specific Gravity	1.017 measured
Specific Gravity	1.017 calculated
Resistivity, 68°F	0.290 ohm-cm
Conductivity 25°C	34,485 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -



Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	23,391.7
NaHCO ₃	771.0
Ca(HCO ₃) ₂	342.1
BaSO ₄	178.5
Mg(HCO ₃) ₂	171.0
Na ₂ SO ₄	17.1

Note: nd denotes 'Not Determined'

Analyzed by: Creg Wilkins

Approved:

04/10/00 v940MDCarney



Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-7-L	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l
Potassium	59.4	1.52
Sodium	9,650.0	419.75
Calcium	83.9	4.19
Magnesium	29.1	2.39
Iron	1.4	0.05
Barium	200.0	2.91
Strontium	0.0	0.00
SUM +	10,023.8	430.81

ANIONS	mg/l	meq/l
Sulfate	975.0	20.30
Chloride	13,810.0	389.53
Carbonate	120.0	4.00
Bicarbonate	1,037.0	17.00
Bromide	0.0	0.00
Organic Acids	0.0	0.00
Hydroxide	0.0	0.00
SUM -	15,942.0	430.83

Solids

Total Dissolved Solids @180°C	25,270 mg/l
Total Solids, Calc less CO ₂	25,272 mg/l
Total Solids, Calculated	25,966 mg/l
Total Solids, NaCl equivalents	24,532 mg/l
Chloride as NaCl	22,765 mg/l
NaCl% of Total Dissolved Solids	90.08 %
Accuracy	0.00 Sigma

Sample Conditions

pH, s.u. (Field)	8.40 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.60 %
pH, s.u. (from CO ₂)	8.42 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.459 μ

Dissolved Gases

Bisulfide ion, HS ⁻	2.9 mg/l
Hydrogen Sulfide, H ₂ S	0.1 mg/l
Total Sulfide	3.0 mg/l

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	3.7 mg/l

Other Properties

Calcium Hardness as CaCO ₃	209.5 mg/l
Magnesium Hardness as CaCO ₃	119.5 mg/l
Total Hardness as CaCO ₃	329.0 mg/l
Hardness, grains	19.16 grains/gallon

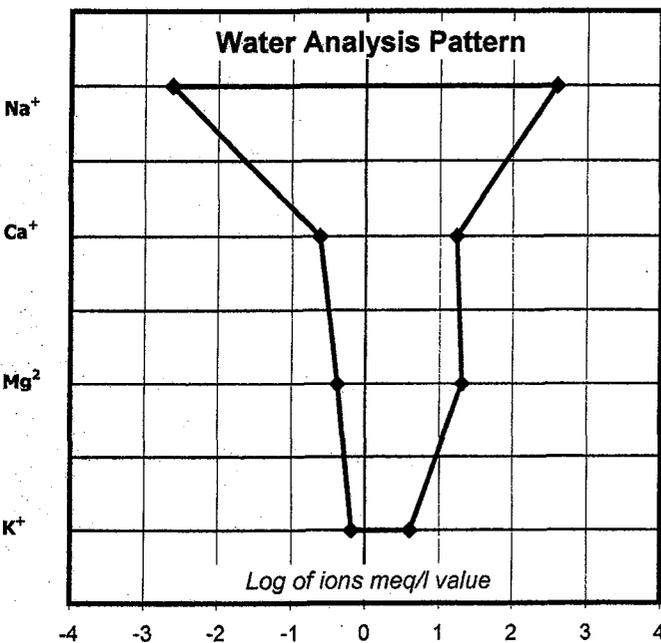
Specific Gravity	1.018 measured
Specific Gravity	1.018 calculated
Resistivity, 68°F	0.300 ohm-cm
Conductivity 25°C	33,335 μmhos/cm

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -



Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	22,765.3
Na ₂ SO ₄	1,234.8
NaHCO ₃	851.7
BaSO ₄	339.9
Ca(HCO ₃) ₂	339.3
Mg(HCO ₃) ₂	175.2

Note: nd denotes 'Not Determined'

Analyzed by: Creg Wilkins

Approved:

04/10/00 v940MDCarney



Water Analysis Report

Field : Stirrup	Sample Date : 10/13/2005
County : Uintah	Formation :
Location : 33-8-N	Rock Type :
Lab ID : Summit Energy LL	Depth :
Comments :	

CATIONS	mg/l	meq/l	ANIONS	mg/l	meq/l
Potassium	48.9	1.25	Sulfate	225.0	4.68
Sodium	10,557.0	459.20	Chloride	16,240.0	458.07
Calcium	160.0	7.98	Carbonate	60.0	2.00
Magnesium	49.5	4.07	Bicarbonate	610.0	10.00
Iron	2.3	0.08	Bromide	0.0	0.00
Barium	150.0	2.18	Organic Acids	0.0	0.00
Strontium	0.0	0.00	Hydroxide	0.0	0.00
SUM +	10,967.7	474.76	SUM -	17,135.0	474.75

Solids

Total Dissolved Solids @180°C	27,700 mg/l
Total Solids, Calc less CO ₂	27,701 mg/l
Total Solids, Calculated	28,103 mg/l
Total Solids, NaCl equivalents	27,350 mg/l
Chloride as NaCl	26,771 mg/l
NaCl% of Total Dissolved Solids	96.64 %
Accuracy	0.00 Sigma

Dissolved Gases

Bisulfide ion, HS ⁻	4.8 mg/l
Hydrogen Sulfide, H ₂ S	0.2 mg/l
Total Sulfide	5.0 mg/l

Other Properties

Calcium Hardness as CaCO ₃	399.5 mg/l
Magnesium Hardness as CaCO ₃	203.5 mg/l
Total Hardness as CaCO ₃	603.0 mg/l
Hardness, grains	35.11 grains/gallon

Microbiological

Sulfate Reducing	nd
Aerobic Bacteria	nd

Sample Conditions

pH, s.u. (Field)	8.40 s.u.
Sample Pressure	6.00 psia
Mole% CO ₂ , Gas	0.40 %
pH, s.u. (from CO ₂)	8.36 s.u.
Surface Temp	60 °F
Downhole Temp	140 °F
Ionic Strength	0.499 μ

Dissolved O ₂ , aq	0.0 ppb
Measured CO ₂ , aq	0.0 mg/l
Calculated CO ₂ , aq	2.4 mg/l

Specific Gravity	1.020 measured
Specific Gravity	1.020 calculated
Resistivity, 68°F	0.260 ohm-cm
Conductivity 25°C	38,460 μmhos/cm

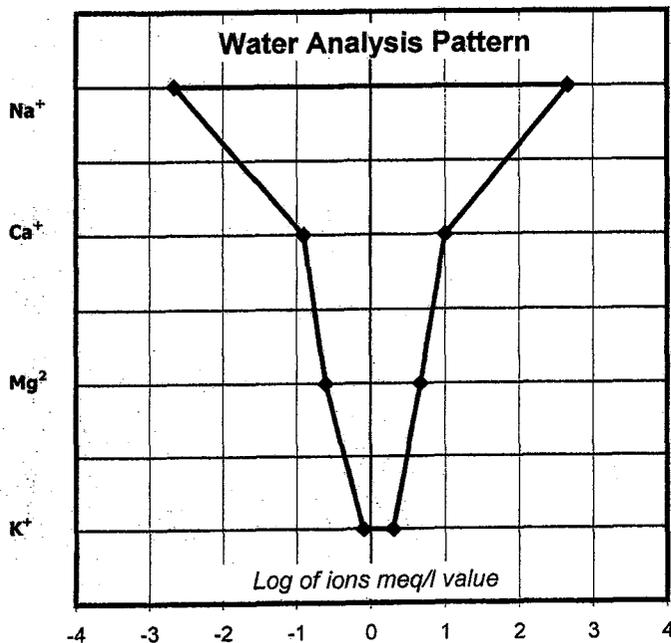
Scaling Conditions

Calcium Carbonate	CaCO ₃ +
Calcium Sulfate	CaSO ₄ - - -
Barium Sulfate	BaSO ₄ +
Strontium Sulfate	SrSO ₄ -

Probable Mineral Residue, Dry

Calculation error = 0 %

COMPOUND	mg/l
NaCl	26,771.1
Ca(HCO ₃) ₂	647.0
BaSO ₄	254.9
Mg(HCO ₃) ₂	135.5
MgSO ₄	133.7
Na ₂ SO ₄	19.8



Note: nd denotes 'Not Determined'
 Analyzed by: Creg Wilkins
 Approved:
 04/10/00 v940MDCarney

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

11/1/2013

FROM: (Old Operator):
 N2315-SUMMIT OPERATING, LLC
 1245 BRICKYARD RD STE 210
 SALT LAKE CITY UT 84106
 Phone: 1 (435) 940-9001

TO: (New Operator):
 N3460-FINLEY RESOURCES INC
 1308 LAKE ST
 FORT WORTH TX 76102
 Phone: 1 (817) 231-8735

WELL NAME	CA No.	SEC	TWN	RNG	Unit:	N/A	LEASE TYPE	WELL TYPE	WELL STATUS
FEDERAL 33-6-F	33	060S	210E	4304731769	10779	Federal	OW	P	
FEDERAL 33-8-N	33	060S	210E	4304731787	10760	Federal	OW	P	
FEDERAL 33-3-J	33	060S	210E	4304731804	10787	Federal	OW	P	
FEDERAL 33-7-L	33	060S	210E	4304731844	10915	Federal	OW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 11/12/2013
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 11/12/20103
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 11/14/2013
- a. Is the new operator registered in the State of Utah: Business Number: 7409151-0143
- a. (R649-9-2) Waste Management Plan has been received on: Yes
- b. Inspections of LA PA state/fee well sites complete on: N/A
- c. Reports current for Production/Disposition & Sundries on: 11/14/2013
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM Not Yet BIA N/A
- Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 11/14/2103
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/14/2013
- Bond information entered in RBDMS on: N/A
- Fee/State wells attached to bond in RBDMS on: N/A
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: N/A
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: N/A

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: RLB0011262
- Indian well(s) covered by Bond Number: N/A
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number N/A
- b. The **FORMER** operator has requested a release of liability from their bond on: N/A

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: Finley Resources, Inc		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1308 Lake Street CITY Fort Worth STATE TX ZIP 76102		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		8. WELL NAME and NUMBER: Various Leases
PHONE NUMBER: (817) 231-8735		9. API NUMBER: Attached
		10. FIELD AND POOL, OR WILDCAT:

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>11/1/2013</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

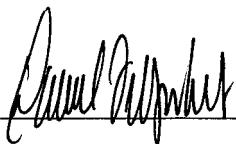
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please be advised that the attached referenced wells will transfer from Summit Operating, LLC to Finley Resources Inc. The effective date will be November 1, 2013.

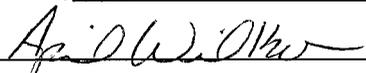
Finley Resources Inc.
1308 Lake Street
Fort Worth, TX 76102

Utah Bond Number: RLB0011264
BLM Bond Number: RLB0011262

Summit Operating, LLC
1245 Brickyard Road, Ste 210
Salt Lake City, UT 84106

Signature: 

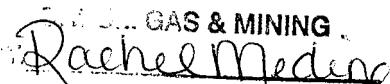
RECEIVED
NOV 12 2013
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>April Wilkerson</u>	TITLE <u>Regulatory Analyst</u>
SIGNATURE 	DATE _____

(This space for State use only)

APPROVED

NOV 14 2013

DIV. OF OIL, GAS & MINING


Property Name	Location	Field	API	Comm No:
Federal 33-3J	T6S-21E, Sec 33 NWSE	Horseshoe Bend	43-047-31804	
Federal 33-6F	T6S-21E, Sec 33 SENW	Horseshoe Bend	43-047-31769	
Federal 33-8N	T6S-21E, Sec 33 SESW	Horseshoe Bend	43-047-31787	UTU 60780
Federal 33-7L	T6S-21E, Sec 33 NWSW	Horseshoe Bend	43-047-31844	UTU 60783