

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SUB. REPORT/abd

DATE FILED **6-06-88**

LAND: FEE & PATENTED **FEE** STATE LEASE NO PUBLIC LEASE NO INDIAN

DRILLING APPROVED: **6-27-88 (EXCEPTION LOCATION)**

SPUDDED IN:
 COMPLETED: **0-1-90 VA** PUT TO PRODUCING

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: **4677' gr**

DATE ABANDONED: **VA 0-1-90**

FIELD: **UNDESIGNATED**

UNIT:

COUNTY: **UINTAH**

WELL NO **ALTA 5-3-A** API NO. **43-047-31842**

LOCATION **480' FNL** FT. FROM (N) (S) LINE. **930' FEL** FT. FROM (E) (W) LINE **NE NE** 1/4 - 1/4 SEC **5**

TWP.	RGE	SEC	OPERATOR	TWP.	RGE	SEC.	OPERATOR
7S	21E	5	COLUMBIA GAS DEV. CORP.				

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

(Other instructions on reverse side)

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

NA

7. Unit Agreement Name

NA

8. Farm or Lease Name

Alta

9. Well No.

5-3-A

10. Field and Pool, or Wildcat

Undesignated Horseshoe Bend-Green River

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

Sec. 5-7S-21E

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL [X]

DEEPEN []

PLUG BACK []

b. Type of Well

Oil Well [X]

Gas Well []

Other []

Single Zone [X]

Multiple Zone []

2. Name of Operator

713/787-3400

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.*)

At surface

480' FNL & 930' FEL - Sec. 5, T7S, R21E NENE

At proposed prod. zone

Same

14. Distance in miles and direction from nearest town or post office*

21 miles south of Vernal, Utah

12. County or Parrish 13. State

Uintah Utah

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

480'

16. No. of acres in lease

691

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.

1100'

19. Proposed depth

7500' Wasatch

20. Rotary or cable tools

Rotary

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

Ground 4677'

22. Approx. date work will start*

June 15, 1988

PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: Size of Hole, Size of Casing, Weight per Foot, Setting Depth, Quantity of Cement. Rows include 12-1/4" casing (24#) and 7-7/8" casing (15.5#).

EXHIBITS ATTACHED

- A. Location Plat
B. Eight-Point Drilling Program
C. Pressure Control Equipment
D. Multi-Point Surface Use Program
E. Existing & Proposed Roads
F. Well Site Layout, Rig Equipment Layout, Pit & Pad Layout, Cut & Fill Cross-Sections.

RECEIVED JUN 6 1988

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: Director of Drilling Date: June 2, 1988

(This space for Federal or State office use)

Permit No. 43-047-31842 Approval Date APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

Approved by: [Signature] Title: DATE: 6-27-88 BY: [Signature]

Conditions of approval, if any:

*See Instructions On Reverse Side WELL SPACING: RW 5-3-3

COLUMBIA GAS DEVELOPMENT CORP.

Well location, ALTA #5-3-A

located as shown in Lot 1
(NE1/4 NE1/4) of Section 5, T7S,
R21E, S.L.B.&M. Uintah County,
Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF
SECTION 5, T7S, R21E, S.L.B.&M. TAKEN FROM THE
BRENNAN BASIN QUADRANGLE, UTAH, UINTAH COUNTY,
7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY
THE UNITED STATES DEPARTMENT OF THE INTERIOR,
GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS
BEING 4714 FEET.



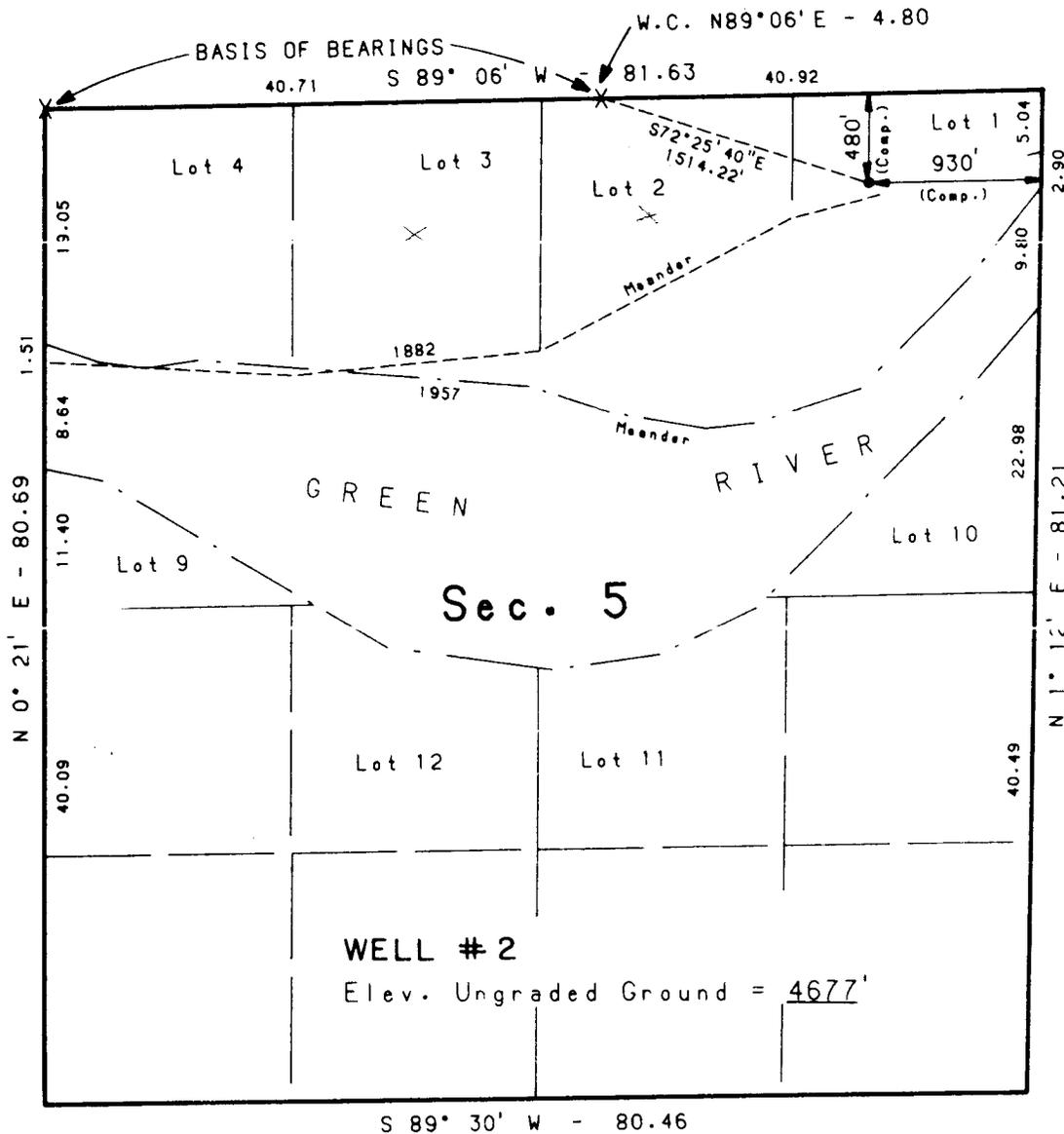
CERTIFICATE

I HEREBY 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.

Neil J. ...
REGISTERED LAND SURVEYOR
REGISTRATION NO. 2957
STATE OF UTAH

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

T7S, R21E, S.L.B.&M.



X = SECTION CORNERS LOCATED (Brass Caps)

SCALE 1 = 1000	DATE 4-25-88
PARTY G.S. D.K. J.R.S.	REFERENCES GLO
WEATHER COOL	FILE COLUMBIA GAS

EXHIBIT "B"
EIGHT-POINT DRILLING PROGRAM

Attachment to Form 3160-3

COMPANY: Columbia Gas Development Corporation
WELL NAME: Alta 5-3-A
LOCATION: Sec. 5: T7S, R21E - 480' FNL & 930' FEL
COUNTY/STATE: Uintah County, Utah
LEASE:

1. Estimated Geological Markers

<u>Formation Tops</u>	<u>Depth</u>	<u>Subsea</u>
Uinta	Surface	+4692'
Uinta Pay Sands	3115'	+1577'
Green River	3615'	+1077'
Green River "H"	6070'	-1378'
Green River Pay Sands	6625'	-1933'
Wasatch	7990'	-3298'

2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals

<u>Formation Tops</u>	<u>Depth</u>	<u>Subsea</u>	<u>Remarks</u>
Uinta	Surface	+4692'	Water
Uinta Pay Sands	3115'	+1577'	Gas
Green River Pay Sands	6625'	-1933'	Oil

3. Operator's Minimum Specifications for Pressure Control Equipment

The State of Utah Natural Resources office will be notified, with sufficient lead time, to witness pressure testing.

One (1) annular bag-type and two (2) ram-type preventers will be utilized. Ram preventers are to be tested to seventy percent (70%) of working pressure, or seventy percent (70%) of burst rating of surface pipe, whichever is less. Annular preventer is to be tested to fifty percent (50%) of working pressure. See Exhibits C-1 and C-2.

All BOPE and testing procedures will be consistent with API RP-53 and will be conducted before drilling out casing shoe. Preventers will be inspected and operated at least once daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report.

4. Proposed Casing Program (all new): The State of Utah Natural Resources office will be notified, with sufficient lead time, to witness the running and cementing of all casing strings.

Conductor Pipe: None required.

Surface Pipe:

<u>INTERVAL</u>	<u>SIZE</u>	<u>WT</u>	<u>GR</u>	<u>CONN</u>	<u>BURST/SF</u>	<u>COL/SF</u>
0-350'	8-5/8"	24#	J-55	ST&C	2950/17.0	1370/8.35

Cement with 485 sx Class "G". Pressure test to 1000 psi before drilling out shoe.

Production Pipe:

<u>INTERVAL</u>	<u>SIZE</u>	<u>WT</u>	<u>GR</u>	<u>CONN</u>	<u>BURST/SF</u>	<u>COL/SF</u>
0-7300'	5-1/2"	15.5#	K-55	LT&C	4810/1.77	4040/1.17

Cement with 195 sx Class "H" in first stage; 130 sx Light Weight and 50 sx Class "H" in second stage. Pressure test to 2000 psi on first trip with completion rig.

Auxiliary Equipment

- A. A Kelly cock will be kept in the string at all times.
- B. A stabbing valve will be kept on the derrick floor at all times.
- C. A float will not be used.

5. Proposed Mud Program (no chromates will be used in well)

<u>Depth</u>	<u>MUD WT</u>	<u>VIS</u>	<u>PV</u>	<u>YP</u>	<u>WL</u>	<u>TYPE MUD</u>
0-350'	8.4-8.5	28-32	1-4	4	NC	FW & Gel
350-4000'	8.4-8.6	29-32	4-10	5-10	NC	FW & Gel
4000'-TD	8.8-9.0	29-34	8-10	10-12	10	3% KCL & Gel

6. Testing, Logging and Coring Programs

- A. Drill Stem Tests: None planned.
- B. Well Logging and Intervals:

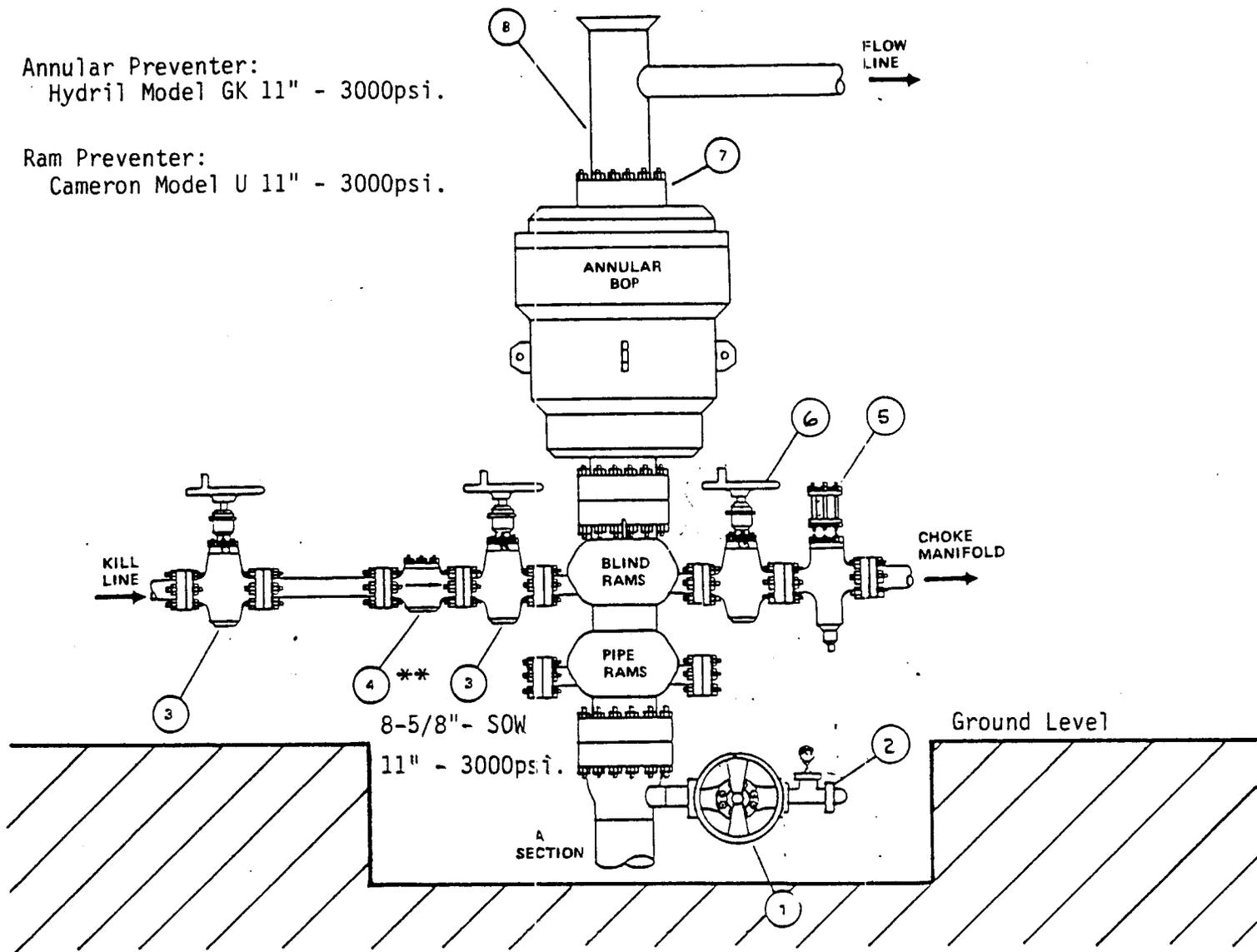
<u>Log</u>	<u>Interval</u>
Dual Induction/GR/SP	TD-Surface
Neutron-Density/GR/X-Plot	TD-2500'
Mechanical Properties Log	TD through Objective Zones

- C. Cores: None planned.
 - D. Directional Surveys: Inclination test will be taken at 500' and at 1000' maximum intervals.
 - E. Samples: One sample will be taken at 10' intervals from 2000' through TD.
 - F. There will be a mud logger on location from 2000' through TD.
 - G. Completion Procedure: To be submitted on Form 5 under "Approval of Subsequent Operations."
7. Anticipated Abnormal Pressures, Temperatures or Potential Hazards
- A. No abnormal pressures or temperatures are expected in this well.
 - B. Hydrogen Sulfide is not anticipated.
8. Other Information
- A. Eighty Thousand Dollar (\$80,000) State of Utah Bond (U-391050-28) is on file with the State of Utah Natural Resources, State Lands & Forestry.
 - B. Anticipated starting date is June 15, 1988.

EXHIBIT C-1 BLOWOUT PREVENTER (TYPICAL)

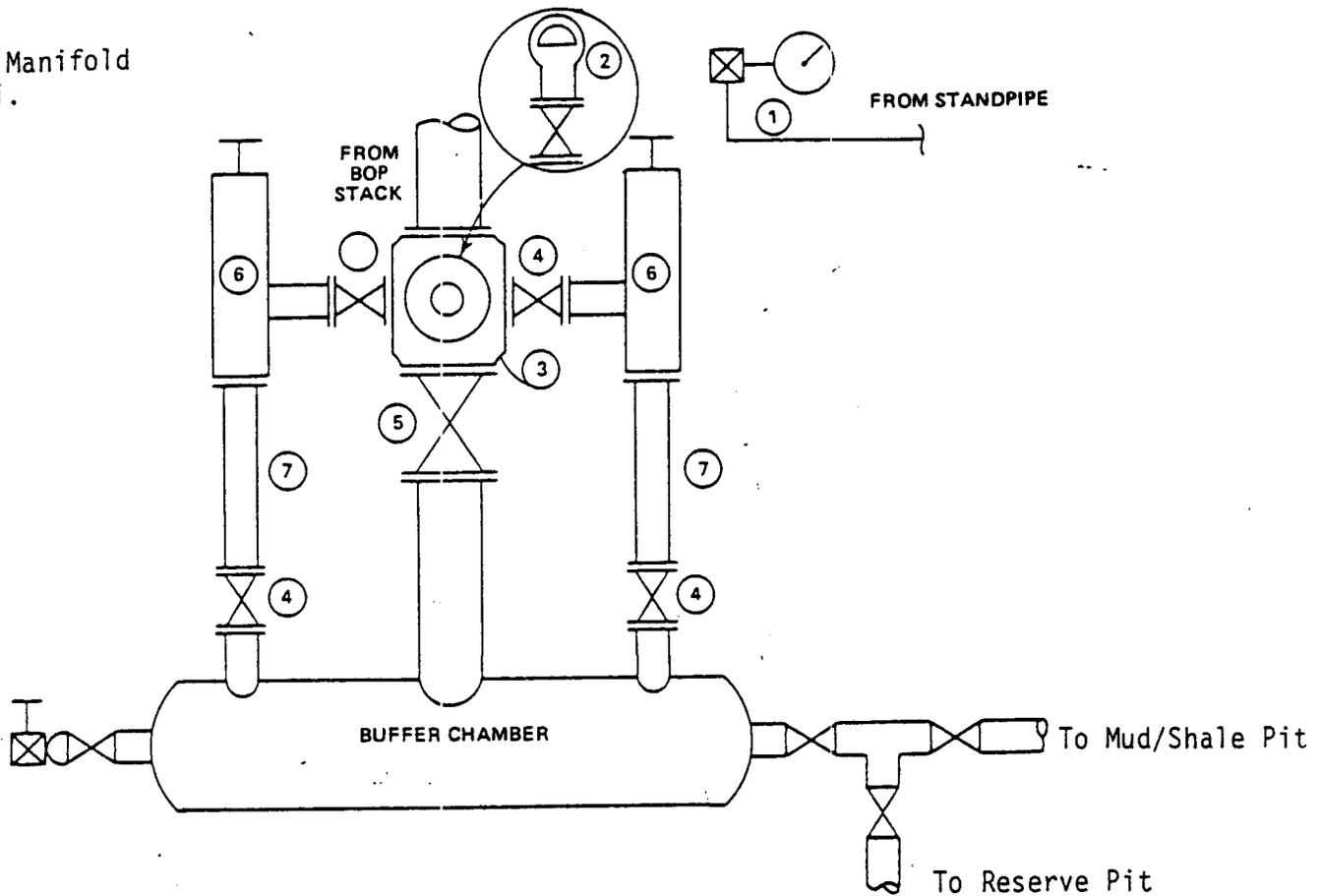
Annular Preventer:
Hydril Model GK 11" - 3000psi.

Ram Preventer:
Cameron Model U 11" - 3000psi.



1. Screwed or flanged plug or gate valves — 2" minimum nominal dia. — same working pressure as "A" section.
2. Tee with tapped bullplug, needle valve, and pressure gauge.
3. Flanged plug or gate valve — 2" minimum nominal dia. — same working pressure as BOP stack.
4. Flanged flapper type check valve — 2" minimum nominal dia. — same working pressure as BOP stack.
5. Flanged hydraulically controlled gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
6. Flanged plug or gate valve — 3" minimum nominal dia. — same working pressure as BOP stack.
7. Top of annular preventer must be equipped with an API flange ring gasket. All flange studs must be in place or holes filled in with screw type plugs.
8. The I.D. of the bell nipple must not be less than the minimum I.D. of the BOP stack.

Cameron Choke Manifold
3" - 3000psi.



1. Accurate pressure gauge (Martin Decker or equal) for measuring standpipe pressure. This gauge must be installed on a flexible Martin Decker or equal sealed line with transducer and have a working pressure rating equal to that of the BOP stack.
2. Diaphragm type pressure gauge and gate or plug valve — 2" minimum nominal dia. — flanged to 5 way cross or to tee and valve installed between cross and first valve.
3. Flanged or studded cross — 3" x 3" x 2" x 2" x 2" minimum nominal dia.
4. Flanged plug or gate valve — 2" minimum nominal dia. — valve to be same W.P. as choke.
5. Flanged plug or gate valve — 3" minimum nominal dia. — valve to be same W.P. as choke.
6. Flanged manually-adjustable choke equipped with tungsten carbide stems and seats and maximum size orifice opening.
7. Flanged spacer spool — 2" minimum nominal dia. and 18" minimum length.

The choke line between the drilling spool and choke manifold should not contain any bend or turn in the pipe body. Any bend or turn required should be made with a running tee with a blind flange or welded bullplug. All connections should be flanged or welded. All fabrications requiring welding must be done by a certified welder. Welds should be stress relieved when required.

EXHIBIT "D"
MULTI-POINT SURFACE USE PROGRAM

Attachment to Form 3160-3

COMPANY: Columbia Gas Development Corporation
WELL NAME: Alta 5-3-A
LOCATION: Sec 5: T7S, R21E - 480' FNL & 930' FEL
COUNTY/STATE: Uintah County, Utah
LEASE:

1. Existing Roads - Refer to EXHIBIT E-1

- A. Existing roads and location in relation to Vernal, Utah submitted on Exhibit E-1.
- B. To reach location proceed south from Vernal, Utah on US Highway 40 for 10.4 miles, turn east (left) on graded county road for 5.2 miles to lease road, turn on lease road and go 5.2 miles to location. Location on south (right) side of graded lease road (see attached maps).
- C. Description of Roads in Area: US Highway 40 bituminous surfaced, county and lease roads flat bladed.

2. Proposed Access and Location - Refer to EXHIBITS E-1 & E-2

- A. Notification will be given to the State of Utah Natural Resources office, with sufficient lead time, prior to the construction of drill pad location.
- B. Proposed road to be from north boundary of location, EXHIBIT F.
- C. Surfacing: Access flat bladed and location construction from native materials found on drill site.
- D. Width: Thirty feet (30') disturbed area; eighteen feet (18') running surface.
- E. Maximum Grades: Not to exceed eight percent (8%).
- F. Drainage: No culverts or drainage ditches to be installed.
- G. Columbia Gas Development Corporation is to provide dirt contractor with required maps, pad and road construction plans.

3. Location of Existing Wells Within a One Mile Radius

- A. Water Wells: None known.

- B. Abandoned Wells: Luff GCI Federal #2; TXO Stirrup Federal #1.
- C. Disposal Wells: None known.
- D. Drilling Wells: None known.
- E. Producing Wells:

<u>OPERATOR</u>	<u>WELL NAMES</u>
CGDC	Federal #33-3-J; Federal #33-6-F; Federal #33-8-N; Alta #5-1-3
ALTA ENERGY	Federal #4-1-D; Anna Belle #31-2-J; Stirrup #32-1-J; Cotton Club #1
SNYDER	West Walker F #1-33
LOCKRIDGE	HB #32-33
AMERICAN PETROLEUM	Apcot State #32-2; Apcot State #32-1; Apcot State #32-4
LUFF	GIC Federal #33-1; Short Federal #1

- F. Shut-in wells: None known.

4. Location of Existing and Proposed Production Facilities and Lines

- A. Notification will be given to the State of Utah Natural Resources office sufficient lead time, prior to construction of production facilities.
- B. There are no existing production facilities on well site.
- C. If the well is productive, new on-well pad and off-well pad facilities and lines will be submitted as "as built" on Form 5 under the following guidelines:
 - 1. Tank battery to be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the largest tank.
 - 2. All loading line valves inside berm; end of load line with drip barrel may be located outside of berm.

3. Gas meter run to be located within five hundred feet (500') of the wellhead; meter runs will be housed or fenced.
4. Gas flowline will be buried from the wellhead to the meter.
5. All facilities will be painted an earthtone color within six (6) months of installation.
6. Tank battery to be located in cut portion of production pad.
7. Site security guidelines to be submitted to the State of Utah Natural Resources office, upon completion of production facilities.

5. Location and Type of Water Supply

Fresh water for drilling will be appropriated from the Green River, as per State Permit, and trucked to location by Target Trucking or pumped by surface land line. If pumped, appropriate right-of-way will be obtained. State Engineer's Permit to be secured by Columbia Gas Development Corporation.

6. Source of Construction Materials

Construction of proposed access and location to consist of native on-site material.

7. Methods of Handling Waste Material Disposal

- A. Cuttings to be deposited in reserve pit.
- B. Drilling Fluids: Drilling fluids are to be contained in reserve pit.
- C. Produced Water: While testing well, all produced water will be contained in a storage tank. If well is a producer, a saltwater storage tank will be installed with tank battery.
- D. Sewage: A waste water disposal system will be utilized. Holding tank contents to be hauled from location by licensed sanitation hauler.
- E. Trash Pit: Trash will be contained in a portable trash basket and will be hauled to a state approved disposal site after completion of well.

- F. Reserve pit to be lined, if required, as determined from post-construction inspection. Reserve pit to be fenced on three (3) sides during drilling with a wire fence and topped with at least one (1) strand of barbed wire, and fenced on fourth (4th) side when drilling rig is moved off location. Accumulation of oil on reserve pit will be kept to a minimum.

8. Ancillary Facilities

No camp, airstrip or other facility will be built during the drilling of this well.

9. Well Site Layout

See EXHIBIT F for the well pad layout, showing a typical rig and equipment, reserve pit, top soil stockpile, waste water disposal system and storage tank, and cross-section diagram showing cuts and fills in relation to existing topography.

10. Plans for Reclamation of Surface

- A. If well site is constructed and not drilled, the site and access road will be reclaimed or erosion measures implemented within ninety (90) days of site construction, unless otherwise approved by the State of Utah Natural Resources office.
- B. If well is a dry hole and is abandoned, a dry hole marker will be placed on casing.
- C. If well is a producer, pit will be de-watered, backfilled, and leveled. Backfilling, leveling and contouring are planned as soon as possible, but not to exceed one (1) year.
- D. Reclamation to be accomplished with stockpiled soil and fill material to conform, as closely as possible, to the original topography condition.
- E. Re-seeding will be performed after September 1st, and prior to freeze-up, on the first year after initial production. Seed mixture, as per land owner approval. Prior to re-seeding, all disturbed areas will be scarified. Seed will be broadcast or drilled. If broadcast, the seeded area will be dragged to assure seed coverage.

11. Surface Ownership

Surface owned by Yellow Hill, Inc. under jurisdiction of the State of Utah Natural Resources.

12. Other Information

- A. A BLM Class III Pedestrian Survey and an inspection of existing records were performed for this location by Powers Elevation Co., Inc. No cultural resources were found either in the literature or pertinent site files, or during the field survey.
- B. If any cultural values are observed during construction and operations, they will be left intact and the Area Manager of the State of Utah Natural Resources office will be notified. Columbia Gas Development Corporation is to comply with requirements set forth by the State's Surface Use Stipulations.
- C. Eighty Thousand Dollar (\$80,000) State of Utah Bond (U-391050-28) is on file with the State of Utah Natural Resources, State Lands & Forestry.
- D. The closest town is Vernal, Utah located fourteen (14) miles north of proposed location.
- E. There are no dwellings within a five (5) mile radius of the proposed location.

13. Lessee or Operator Representative and Certification

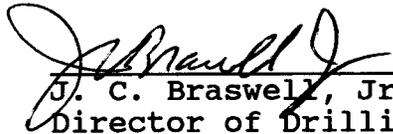
Columbia Gas Development Corporation
P. O. Box 1350
Houston, TX 77251-1350

CERTIFICATION

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

Alta 5-3-A
Page Six

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



J. C. Braswell, Jr.
Director of Drilling
Columbia Gas Development Corporation
Telephone Number: 713/787-3400

Executed on this 2 day of June, 1988.

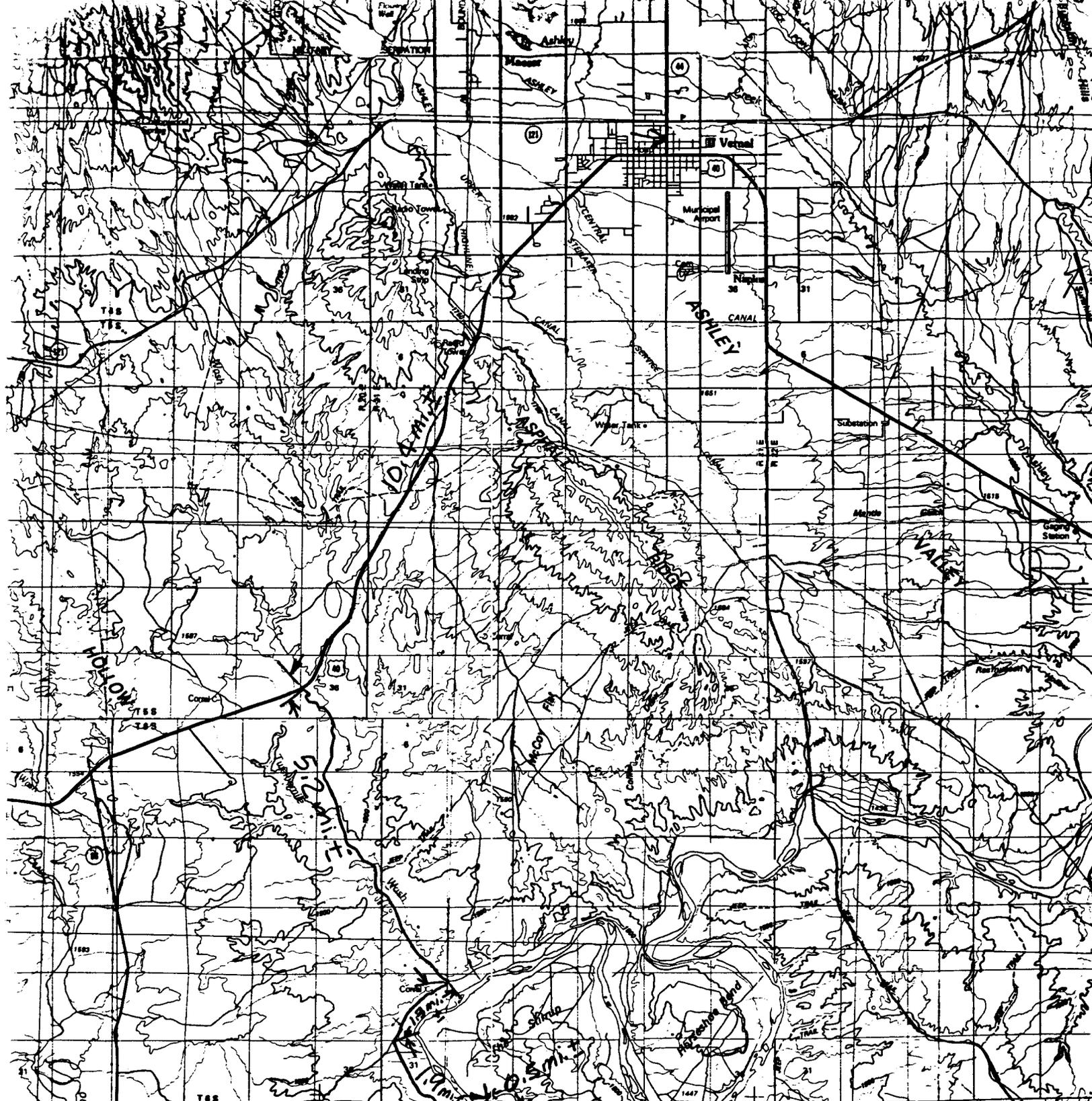


EXHIBIT E-1
COLUMBIA GAS
DEVELOPMENT CORP.
PROPOSED LOCATION

PROPOSED LOCATION
WELL #7

TOPO. MAP "A"

Palcon Lake

Braman Bottom

Johnson Bottom

TRAVELER RIVER

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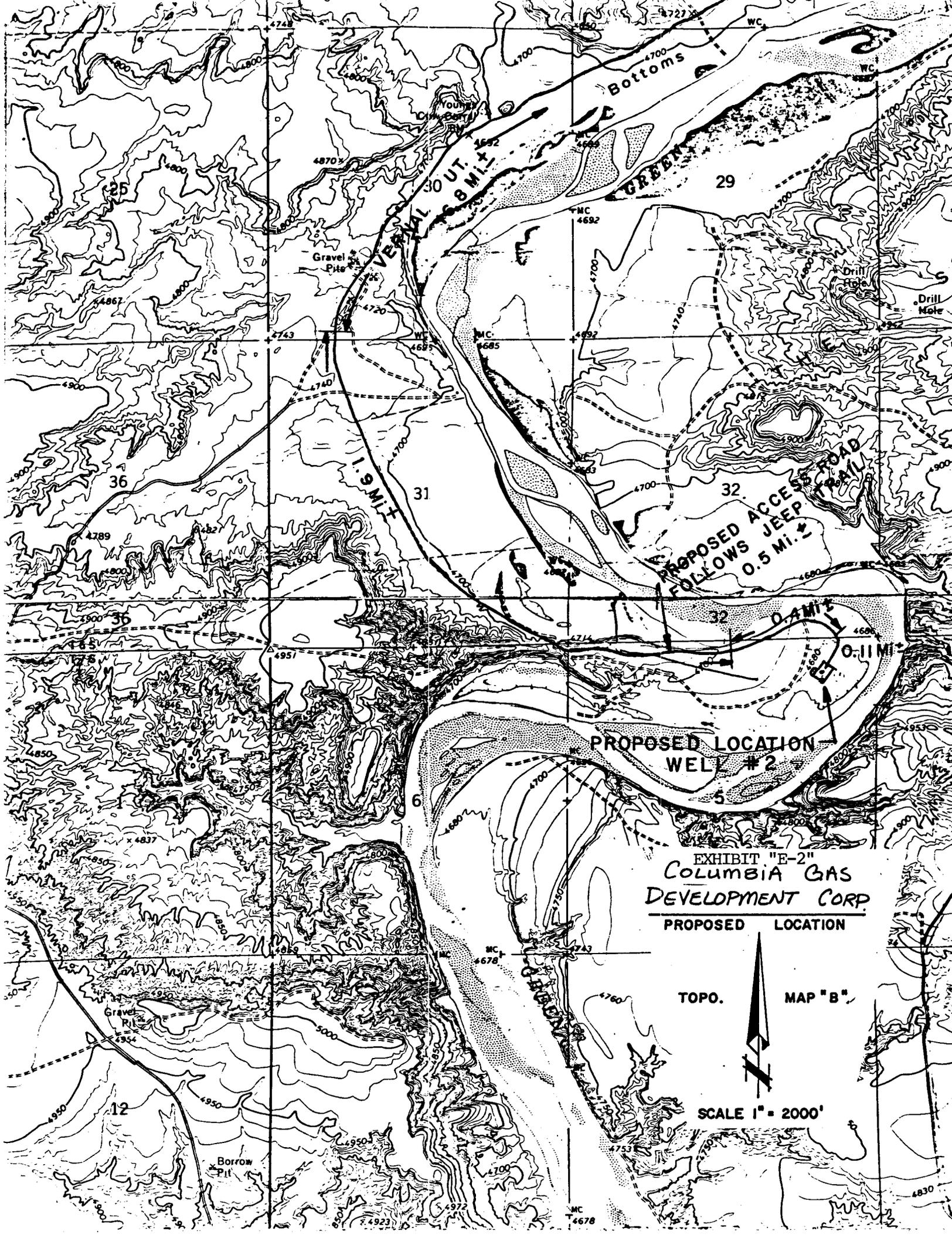


EXHIBIT "E-2"
COLUMBIA GAS
DEVELOPMENT CORP.
PROPOSED LOCATION



TOPO. MAP "B"

SCALE 1" = 2000'

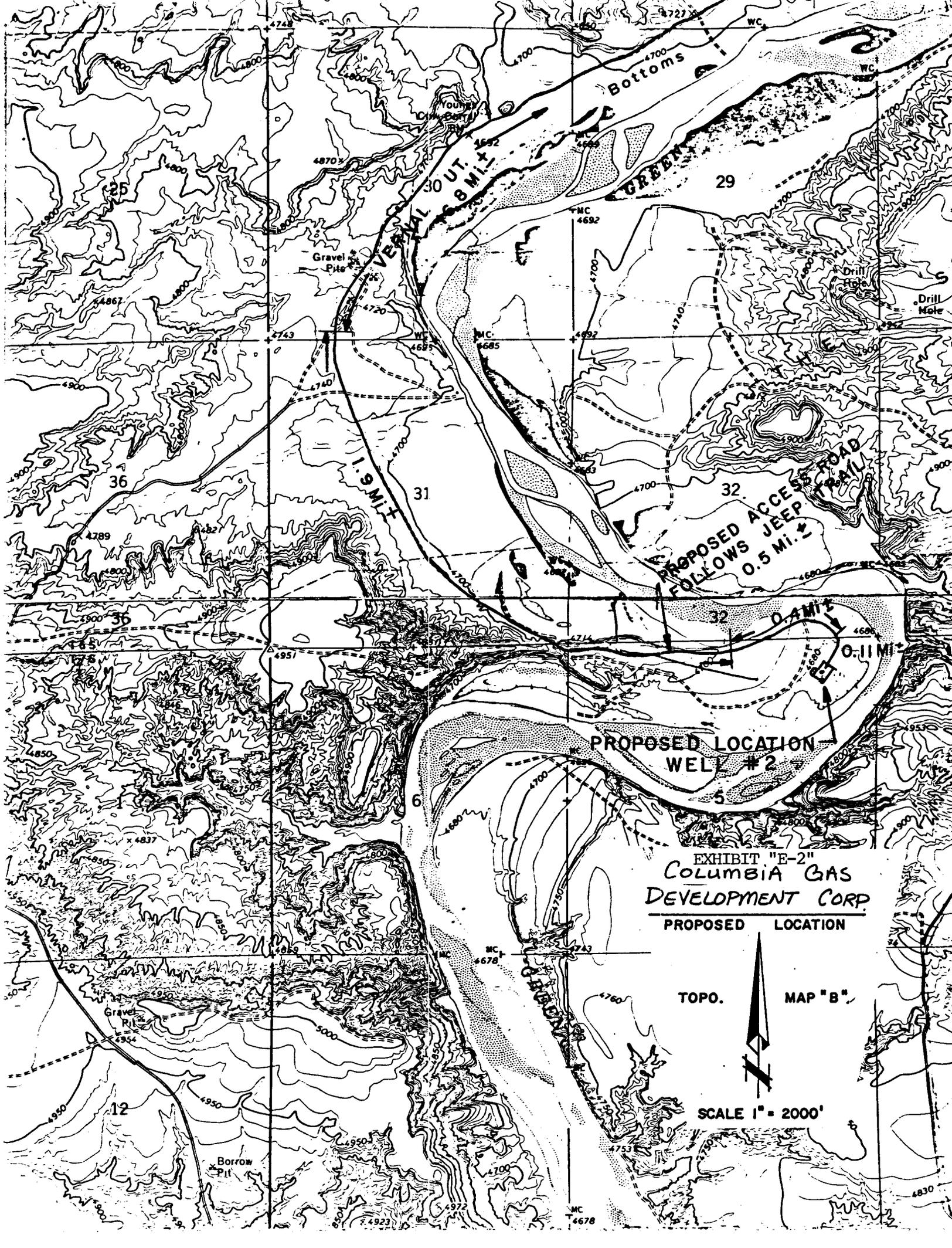
VERNAL 30 OUT 8 MI.
1.9 MI.

Bottoms

GREEN RIVER

PROPOSED ACCESS ROAD
FOLLOWS 0.5 MI. TRAIL

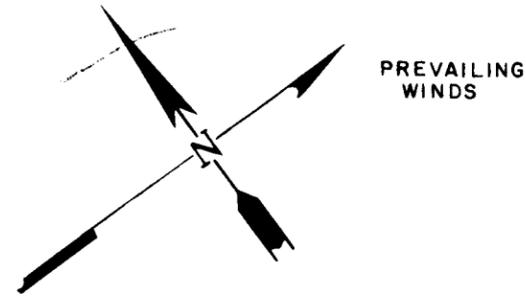
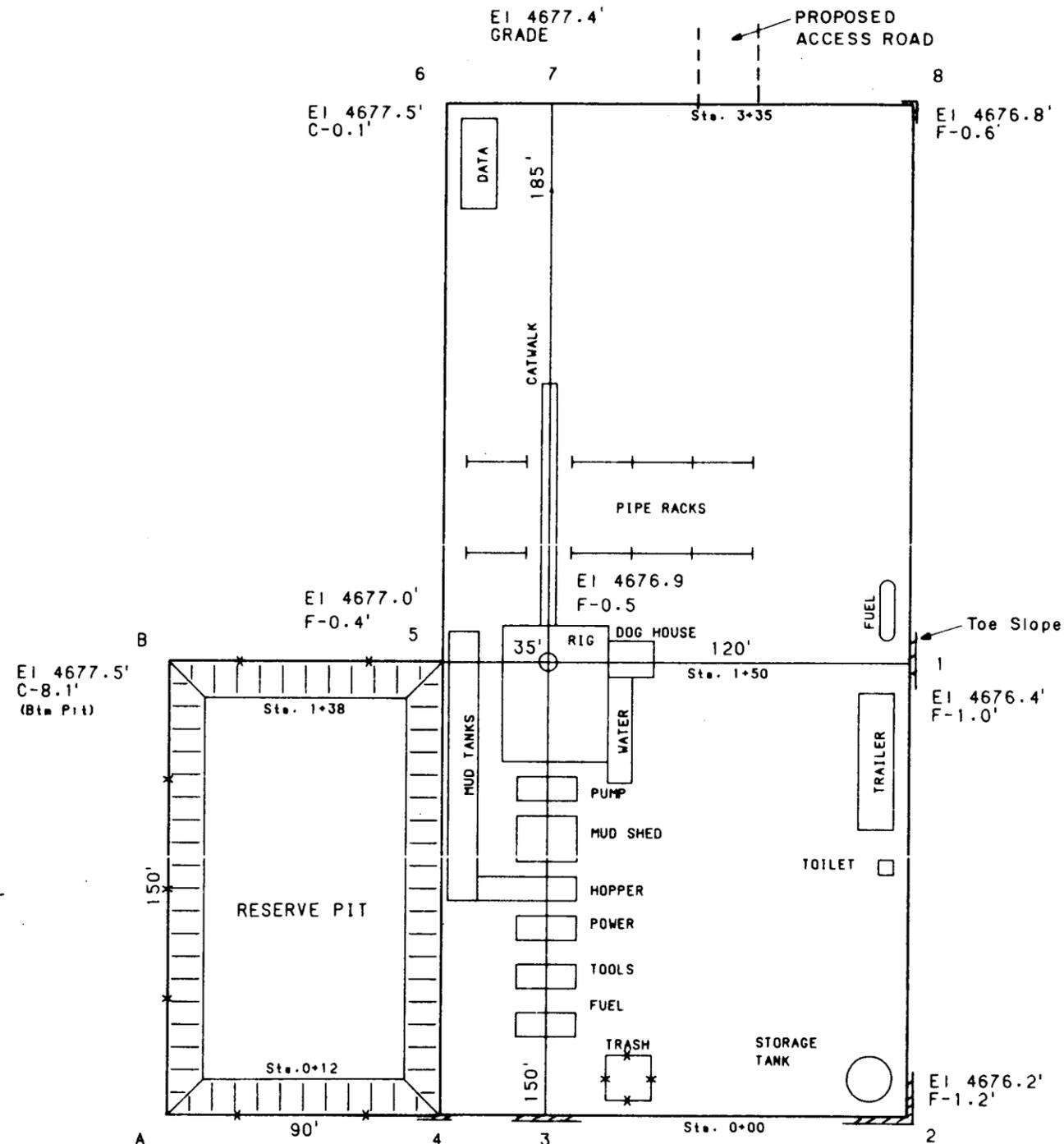
PROPOSED LOCATION
WEL #2



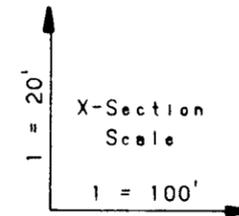
COLUMBIA GAS DEVELOPMENT CORP.

LOCATION LAYOUT FOR

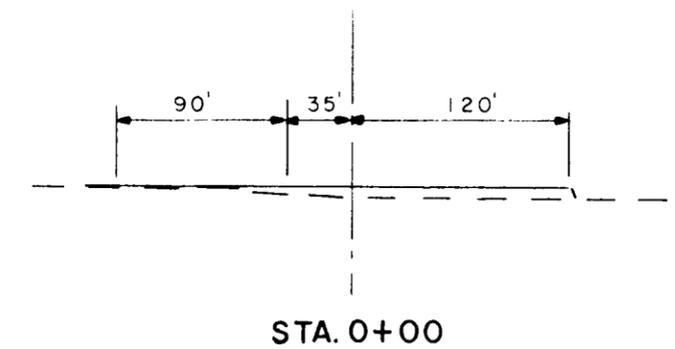
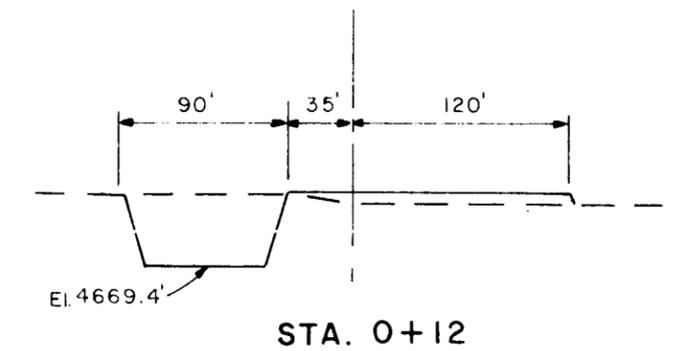
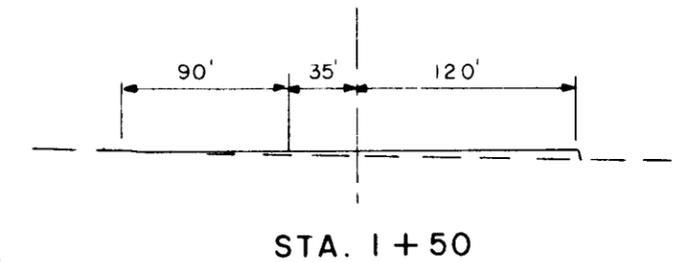
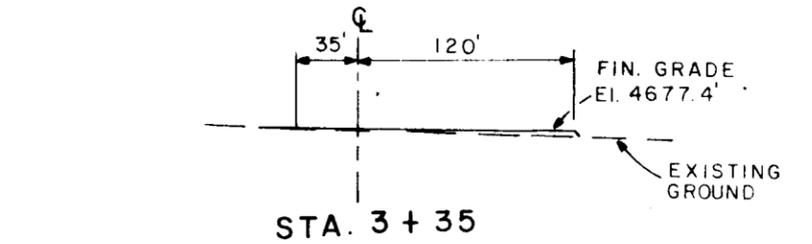
ALTA #5-3-A
SECTION 5, T7S, R21E, S.L.B.&M.



SCALE: 1" = 50'
DATE: 3/25/88



SLOPE = 1 1/2 : 1
(TYP.)



APPROXIMATE YARDAGES

CUT		EXCESS MATERIAL AFTER 20% COMPACTION	
Pit Volume (Below Ground)	= 3,128 Cu. Yds.		= 1,614 Cu. Yds.
Remaining Location	= 0 Cu. Yds.	Pit Backfill (1/2 Pit Volume)	= 1,595 Cu. Yds.
TOTAL CUT	= 3,128 CU. YDS	EXCESS UNBALANCE (After Rehabilitation)	= 19 Cu. Yds.
FILL	= 1,211 CU. YDS		

RECEIVED
JUN 15 1988

DRILLING LOCATION ASSESSMENT

DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining

OPERATOR: Columbia Gas Development WELL NAME: Alta #5-3-A (well # 2)
 QTR/QTR: NENE SECTION: 5 TWP: 7 South RANGE: 21 East
 COUNTY: Uintah FIELD: Horseshoe bend 480' F N L 980' F E L
 SFC OWNER: Fee LEASE #: _____
 SPACING: _____ F SECTION LINE _____ F QTR/QTR LINE _____ F ANOTHER WELL
 INSPECTOR: Carol Kubly DATE & TIME: 13 June 88 10:30 a.m.
 PARTICIPANTS: Just me.

REGIONAL SETTING/TOPOGRAPHY: Colorado Plateau, Uintah Basin, Horseshoe bend of the Green River

LAND USE

CURRENT SURFACE USE: Open Range

PROPOSED SURFACE DISTURBANCE: For location: 245' x 225'. For access about 700' to pre-existing road which will also need upgrading

AFFECTED FLOODPLAINS AND/OR WETLANDS: Not applicable

FLORA/FAUNA: wild wheat, wild oats, milkweed, dock, assorted weeds, gnats.

ENVIRONMENTAL PARAMETERS

GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Light to medium brown sandy silt w/ small clay lenses - river deposited

SURFACE FORMATION & CHARACTERISTICS: Quaternary river alluvium

EROSION/SEDIMENTATION/STABILITY: Possible springtime flooding if river rises too much.

SUBSURFACE GEOLOGY

OBJECTIVE(S)/DEPTH(S): Green River Formation + 7500'

ABNORMAL PRESSURES - HIGH AND LOW: None anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: Not required on fee surface

WATER RESOURCES: Green River + 500' to the east

RESERVE PIT

CHARACTERISTICS: 90' x 150' x 8' w/ central berm

LINING: pit will be plastic lined with thickness no less than 10 mil.

MUD PROGRAM: Freshwater/gel

DRILLING WATER SUPPLY: probably from the Green River

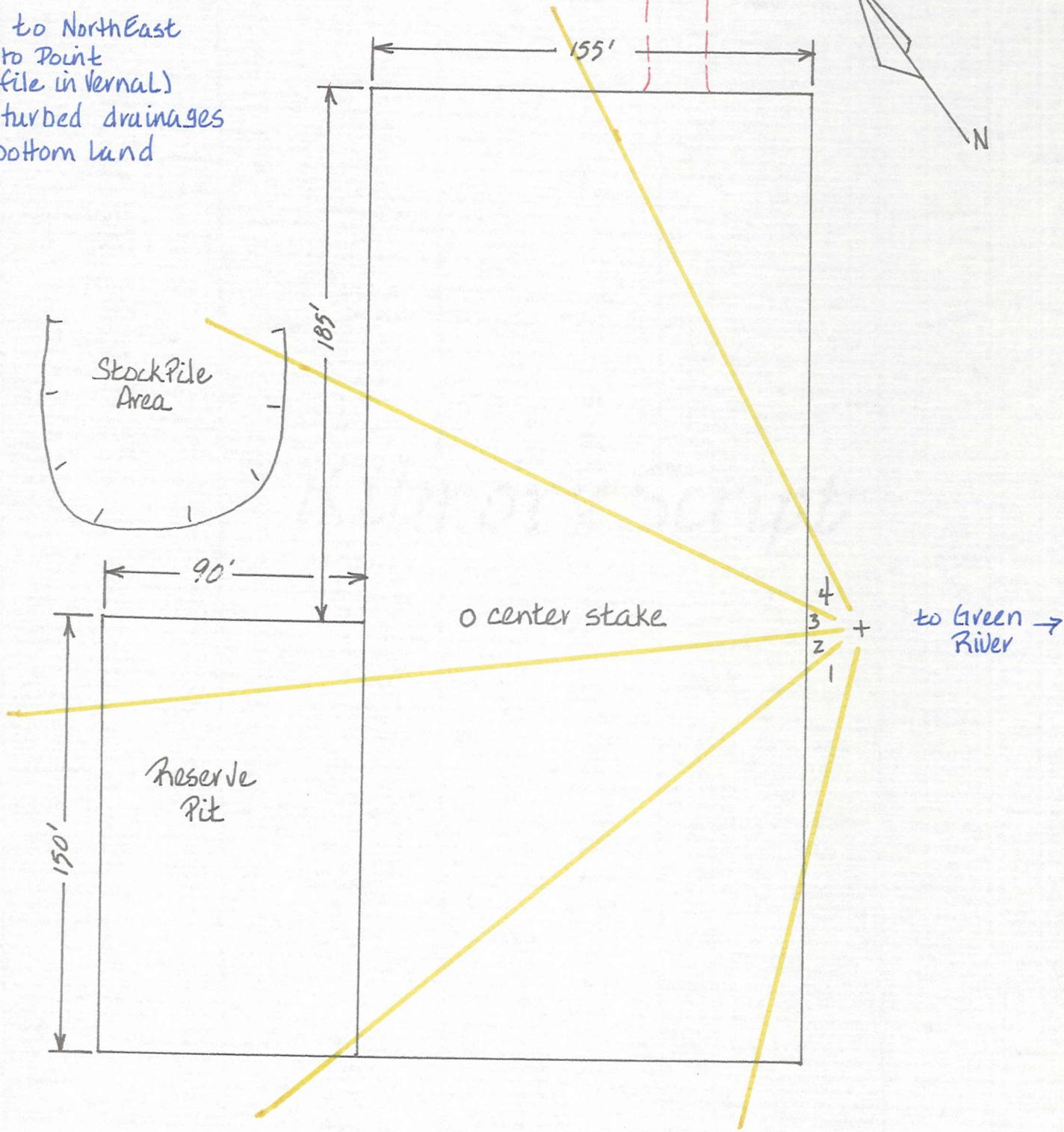
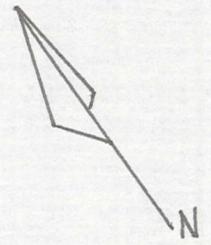
OTHER OBSERVATIONS: Columbia plans to have the central battery and other equipment to the west (
on the same pad as Columbia's Alta 5-1-B well.

STIPULATIONS FOR APD APPROVAL: Call me for inspection after pit is lined and before commencing
water introduction .

ATTACHMENTS

✓-door to NorthEast
+ - Photo Point
(on file in Vernal)
no disturbed drainages
river bottom land

Proposed Access Road



Columbia Gas Development
Alta # 5-3-A (well #2)
NE NE Sec 5, T7S, R21E
Uintah County, Utah

13 June 88



OPERATOR Columbia Gas Dev. Corp. DATE 6-16-88

WELL NAME Alta 5-3-A

SEC NENE 5 T 7S R 21E COUNTY Wintah

43-047-31842
API NUMBER

Fee
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

no other well within 920'
need water permit
exception location request 6/9/88 (Bobby Pier) received 6-17-88
presite received 6-15-88

4. Upon plugging and abandonment, the operator shall set a surface sealing plug which extends ^{at least 100'} below the ~~current~~ depth of the bed of the ~~Gas~~ River.

- R615-3-2

- R615-3-3

5. The operator shall take reasonable precautions, including diking or elevating the well pad and facilities, to protect against future flooding of the location.

ed with a tear-

resistant plastic liner with a minimum thickness of 10 mil.

3 - After lining the pit and prior to placing fluid in pit, the operator shall contact DOGM inspector, Carol Kubly ph. (801) 789-1388 to allow an inspection of pit liner.

0218T

OPERATOR Columbia Gas Dev. Corp. DATE 6-6-88

WELL NAME Alta 5-3-A

SEC NENE 5 T 7S R 21E COUNTY Uintah

43-047-31842
API NUMBER

Fee
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

no other well within 920'
need water permit
exception location request 6/9/88 (Bobby Pier) received 6-17-88
presite received 6-15-88

APPROVAL LETTER:

SPACING: R615-2-3 _____ UNIT _____ R615-3-2
 _____ CAUSE NO. & DATE _____ R615-3-3

STIPULATIONS:

1- water permit
2- Reserve pit shall be lined with a tear-resistant plastic liner with a minimum thickness of 10 mil.
3- After lining the pit and prior to placing fluid in pit, the operator shall contact DOGM inspector, Carol Kubly ph. (801) 789-1388 to allow an inspection of pit liner.

0218T



RECEIVED
JUN 17 1988

June 16, 1988

DIVISION OF
OIL, GAS & MINING

Ms. Diane Nielson
Director of Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Reference: Application for Exception to R615-3-2, Rules and Regulations,
Utah Board of Oil, Gas and Mining.
Columbia Gas Development Corporation's Alta #5-3-A
Location: 480' FNL & 930' FEL Section 5, Township 7 South,
Range 21 East, Uintah County, Utah.

Dear Ms. Nielson:

In accordance with the Utah Board of Oil, Gas and Mining Rules R615-3-2 and R615-3-3, Columbia Gas Development Corporation requests approval to drill the above referenced well. Because of Wetland conditions in the area, we are making application for approval to locate the wellsite at 480 feet from the North line, and 930 feet from the East line of Section 5. This proposed location was recommended by the U. S. Army Corps of Engineers so that the Wetland area would not be encroached upon. Since this is not a permissible location under Rule R615-3-2, we are requesting an exception for the location.

Applicant is sole Owner (as defined by Utah Board of Oil, Gas and Mining) of the 460 foot radius around the proposed location.

Attached as Exhibit "A" is a plat showing:

- 1) The location at which an oil or gas well could be drilled in compliance with Rule R615-3-2;
- 2) The proposed location of the Alta #5-3-A; and
- 3) The location at which oil or gas wells have been drilled or could be drilled in accordance with Rule R615-3-2, directly or diagonally offsetting the proposed location.

Also enclosed are three additional copies of this Application for your use. Should you have any questions, please contact me at 713/787-3400.

Very Truly Yours,

Jerry C. Braswell, Jr.
Director of Drilling

JCB/TMD/tmd
Attachments



EXHIBIT " A "

HORSESHOE BEND PROSPECT

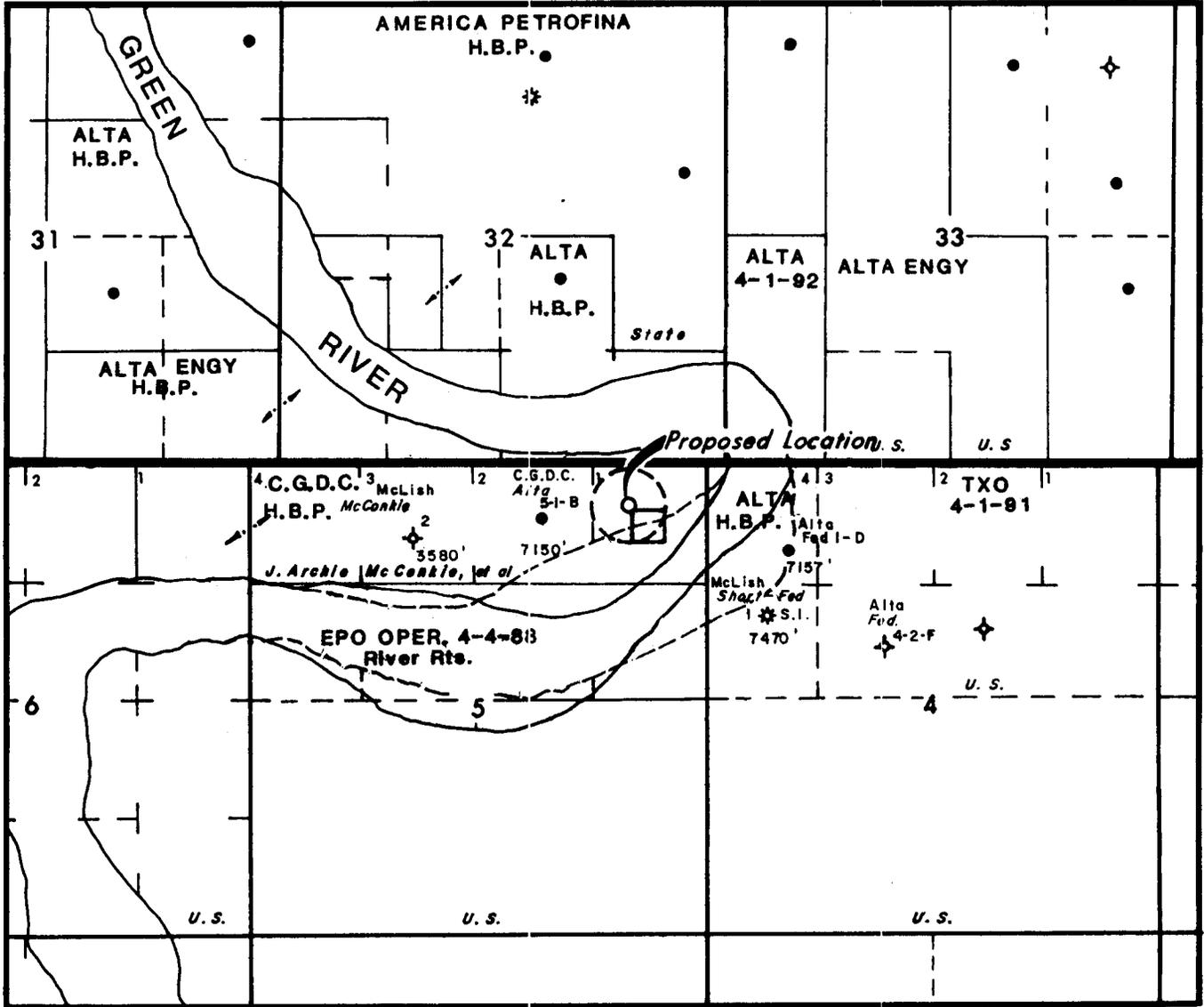
VERNAL CO., UTAH

WELL NAME: ALTA # 5-3-A

PROPOSED WELL LOCATION: Sec. 5, T 7 S - R 21 E.

SURFACE: 480' FNL & 930' FEL

R 21 E



T
6
S

T
7
S

SCALE: 1" = 2,000'



□ LOCATION AT WHICH WELL COULD BE DRILLED IN COMPLIANCE WITH
RULE R 615-3-2

⊕ LOCATIONS OF PREVIOUSLY DRILLED WELLS

○ PROPOSED SURFACE LOCATION FOR UNIT

⊙ 460 FT. RADIUS FROM CENTER OF PROPOSED SURFACE LOCATION



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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

June 27, 1988

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

Gentlemen:

Re: Alta 5-3-A - NE NE Sec. 5, T. 7S, R. 21E - Uintah County, Utah
480' FNL, 930' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules, 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.
2. Reserve pit shall be lined with a tear-resistant plastic liner with a minimum thickness of 10 mil.
3. After lining the pit and prior to placing fluid in pit, the operator shall contact DOGM inspector, Carol Kubly phone number (801) 789-1388 to allow an inspection of pit liner.
4. Upon plugging and abandonment, the operator shall set a surface sealing plug which extends at least 100' below the depth of the bed of the Green River.
5. The operator shall take reasonable precautions, including diking or elevating the well pad and facilities to protect against future flooding of the location.

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

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.

Page 2
Columbia Gas Development Corporation
Alta 5-3-A
June 27, 1988

4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.
7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-047-31842.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

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



July 12, 1988

RECEIVED
JUL 13 1988

DIVISION OF
OIL, GAS & MINING

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

Attention: Ms. Leisha Romero

Reference: Federal #33-7-L
Alta #5-2-C
Alta #5-3-A
Horseshoe Bend Prospect
Uintah County, Utah

Dear Ms. Romero:

Enclosed please find copies of the Application to Appropriate Water filed on July 7, 1988, for the above referenced properties.

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

Very Truly Yours,

A handwritten signature in cursive script that reads "Trisha M. DiClementi".

Trisha M. DiClementi
Regulatory Technician

tmd
Enclosures

FILING FOR WATER IN THE STATE OF UTAH

Rec. by _____
 Fee Rec. _____
 Receipt # _____
 Microfilmed _____
 Roll # _____

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 Title 73, Chapter 3 of the Utah Code Annotated 1953, as amended.

WATER USER CLAIM NO. 45 - 5320

APPLICATION NO. T63350

1. PRIORITY OF RIGHT: July 7, 1988

FILING DATE: July 7, 1988

2. OWNER INFORMATION

Name: Columbia Gas and Development
 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: 10.0 acre feet (Ac. Ft.)

4. SOURCE: Green River DRAINAGE: Ashley Valley

POINT(S) OF DIVERSION:

COUNTY: Uintah

(1) N. 580 feet, W. 1490 feet, from the SE Corner of Section 32,
Township 6 S, Range 21 E, SL&M

Description of Diverting Works: Pump from river into trucks

COMMON DESCRIPTION: 12 MI. SW of Vernal

5-3-A 43-047-31842
 5-2-C 43-047-31843

5. NATURE AND PERIOD OF USE

Oil Exploration From July 11 to July 10.
 Oil Exploration From July 11 to July 10.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil Exploration: Drilling of Aite 5-2-C Oil well in Sec. 5, T7S, R21E, SLI
 Oil Exploratio: Oil Exploration: Drilling of Aite 5-3-A Oil Well in Sec. 5, T7S, R21E, SLI

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 $\frac{1}{4}$
7.5	21 E	5	X				X											

All locations in Salt Lake Base and Meridian

EXPLANATORY

Land under lease for oil well drilling.

Appropriate

.....

The applicant hereby
United States

.....

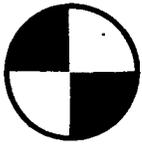
acknowledges he/they are a citizen(s) of the
wants to become such a citizen.
.....

The quantity of water to
be beneficially

so appropriated is limited to that which
is required 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).

John P. [Signature]
Signature of Applicant

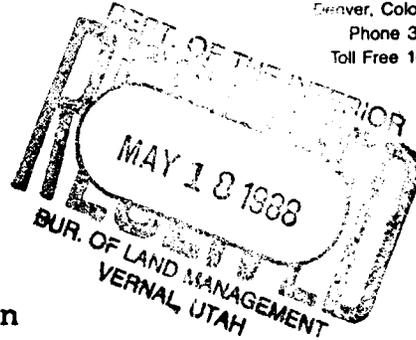


Powers Elevation, Inc.

OIL WELL ELEVATIONS-LOCATIONS
ENVIRONMENTAL-ARCHAEOLOGICAL SERVICES
P.O. Box 2612
Denver, Colorado 80201-2612
Phone 303/321-2217
Toll Free 1-800-824-2550

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NOV 08 1988

DIVISION OF
OIL, GAS & MINING



May 16, 1988

Ms. Trish Diclementi
Columbia Gas Development Corporation
P.O. Box 1350
Houston, TX 77251

43-047-31842-Dr1.

Dear Ms. Diclementi:

Enclosed are the cultural resources survey reports for the following Columbia Gas Development Corporation locations:

#2 and #5
Uintah County, Utah

A BLM Class-III pedestrian survey and an inspection of existing records were performed for these locations by Powers Elevation Co., Inc. No cultural resources were found either in the literature or pertinent site files, or during our field surveys.

In view of this lack of cultural resources, we recommend that the proposed projects be allowed to proceed.

If you have any questions regarding these reports, please feel free to contact this office. Thank you.

Sincerely,

Marcia J. Tate

Marcia J. Tate
Manager
Archaeology Department

MJT:sr

cc: BLM, Bookcliffs Resource Area
BLM, Vernal District Office
Mr. Dave Madsen, State Archaeologist/SHPO
Mr. Richard Fike, BLM State Archaeologist

enclosures

Cultural Resource Management Report

Columbia Gas Development Corporation

#2 5-3-A

Uintah County, Utah

Lead Field Investigator

Marcia J. Tate, M.A.

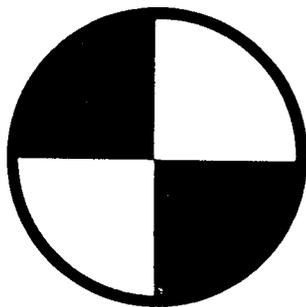
Principal Investigator

Marcia J. Tate, M.A.

Date 5-16-88

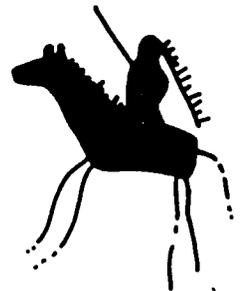
For

Columbia Gas Development Corporation



POWERS ELEVATION

P.O. Box 2612
Denver, Colorado 80201-2612
(303) 321-2217



Archaeology Department

PROJECT IDENTIFICATION: A cultural resources inventory for Columbia Gas Development Corporation, #2 well location and access road, Uintah County, Utah; Bureau of Land Management, Vernal District.

ANTIQUITIES PERMIT NO: 87UT54629 (extended) U-88-PA-175b

FILES SEARCH: A files search conducted at the Bureau of Land Management, Vernal District Office on May 4, 1988, revealed no known sites in the vicinity of the proposed project. There is an existing well, the Columbia Gas and Development Corporation, Alta 5-1-B located at 660 ft FNL and 1,980 ft FEL, just west of the proposed project.

LOCATION: 480 feet FNL and 930 feet FEL Section 5, T.7S., R.21E.

MAP REFERENCE: Brennan Basin, 7.5', 1964

DATE OF INVESTIGATION: May 10, 1988

PERSONNEL: Marcia J. Tate, Field and Principal Investigator.

PROPOSED ACTION: The proposed action is the construction of a well pad and access road. The preferred access follows an existing graded road to a point in an existing two-track in the N1/2N1/4 Section 5, for a distance of about 1,800 ft. The preferred access, following an existing graded road from U.S. 40, south of Naples, which enters Section 5 in the northeast corner and continued east along the section line to a point midway across the section where it converts to a two-track, about 1,800 ft east of this point the proposed access route is staked southeast about 700 ft to the preferred location center stake (marked alternate). The area of direct impact for the area is estimated at approximately 300 ft by 250 ft. The area of direct impact for the preferred access road, including the two-track, is estimated to be about 50 ft by 2,900 ft (0.55 mi.). The total estimated disturbance area is approximately 4.7 acres.

ENVIRONMENT: The project is located in the Uinta Basin section of the Colorado Plateau province (Fenneman 1931). The topography of the general area is marked by the broad floodplain of the meandering Green River, which is bounded by mesas to the east and west. Situated in the eastern portion of the basin, the well location is on the Green River floodplain in a meander loop opposite an area known as The Stirrup. Elevation of the project area is about

Columbia Gas Development Corporation

#2

page 2

ENVIRONMENT, CONTINUED: ...4,680 ft (1,427 m). Soils in the area are a tan fine sand. The predominant vegetation in the area is short grasses and tamarisk. There are also various forbs, greasewood, Russian thistle, broadleaf-species, and cottonwood present. Many of the cottonwood show evidence of past beaver activity. Ground cover over the survey area, varied from 30-80%, being densest away from the river.

FIELD METHODS: Because no footages were marked on either the original center stake (since voided) or the alternate center stake (preferred location), an approximately 15 acre area surrounding the two center stakes was inventoried by walking a series of generally east-west transects at intervals of about 25 m. For the same reason, both the original flagged access (about 900 ft) and the alternate (preferred) access (about 700 ft) were surveyed by walking a pair of sinous transects 50 ft on each side of the flagged center line to form a 100 ft-wide right-of-way, as was the two-track, for an additional approximately 2,200 ft (0.42 miles). Animal burrows, ant hills, and erosional cuts were carefully examined for evidence of buried cultural materials. A total of 20.3 acres was surveyed.

RESULTS: No cultural resources were observed within the proposed project area.

RECOMMENDATIONS: It appears that no cultural resources will be affected. Therefore, it is recommended that the project be allowed to proceed as presently planned.

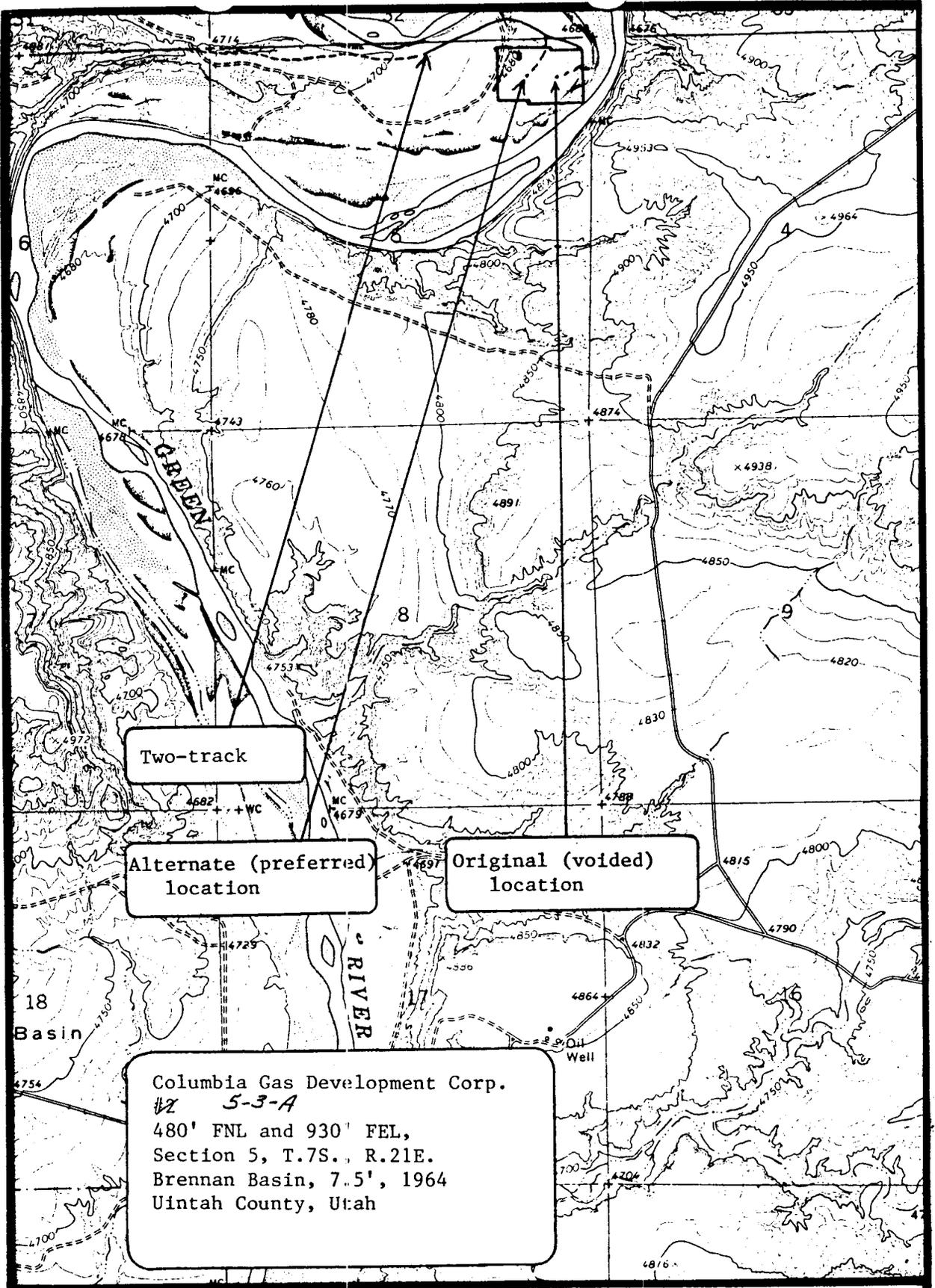
Marcia J. Tate 5/16/88
Marcia J. Tate Date
Principal Investigator

MJT:sr

Columbia Gas Development Corporation
#2
480' FNL and 930' FEL
Section 5, T.7S., R.21E.
Uintah County, Utah



Project Area Overview, Facing West.

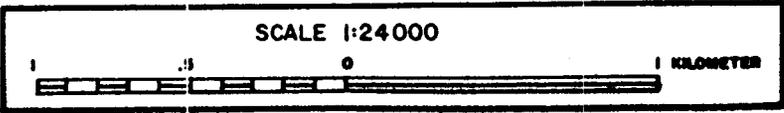
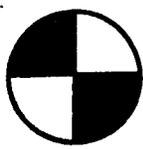


Two-track

Alternate (preferred) location

Original (voided) location

Columbia Gas Development Corp.
1/2 5-3-A
480' FNL and 930' FEL,
Section 5, T.7S., R.21E.
Brennan Basin, 7.5', 1964
Uintah County, Utah



FILING FOR WATER IN THE STATE OF UTAH

Rec. by
 Fee Rec. 30.00
 Receipt # 24520
 Microfilmed
 Roll #

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 RE Osby upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated 1953, as amended.

JUL 11 1988 *47*

TEMPORARY

WATER RIGHTS
SALT LAKE

WATER USER CLAIM NO. 45 - 5320

APPLICATION NO. T63350

1. PRIORITY OF RIGHT: July 7, 1988

FILING DATE: July 7, 1988

2. OWNER INFORMATION

Name: Columbia Gas and Development
 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: 10.0 acre feet (Ac. Ft.)

4. SOURCE: Green River DRAINAGE: Ashley Valley

COUNTY: Uintah

POINT(S) OF DIVERSION:

(1) N. 580 feet, W. 1490 feet, from the SE Corner of Section 32,
 Township 6 S, Range 21 E, SLB&M

Description of Diverting Works: Pump from river into trucks

COMMON DESCRIPTION: 12 Mi. SW of Vernal

5. NATURE AND PERIOD OF USE

Oil Exploration From July 11 to July 10.
 Oil Exploration From July 11 to July 10.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil Exploration: Drilling of Alta 5-2-C Oil well in Sec. 5, T7S, R21E, SLB&M
 Oil Exploratio: Oil Exploration: Drilling of Alta 5-3-A Oil Well in Sec. 5, T7S, 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 $\frac{1}{4}$
7	S	21	E	5	X					X								

All locations in Salt Lake Base and Meridian

43-047-31842
 Alta 5-3-A

43-047-31843
 Alta 5-2-C

EXPLANATORY

Land under lease for oil well drilling.

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).

John Pittenberger 7/Target Tkg.
Signature of Applicant

STATE ENGINEER'S ENDORSEMENT

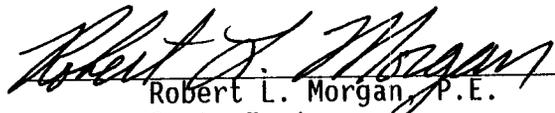
WATER RIGHT NUMBER: 45 - 5320

APPLICATION NO. T63350

1. July 7, 1988 Application received by TNB.
 2. July 7, 1988 Application designated for APPROVAL by RWL and KLJ.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated July 15, 1988, subject to prior rights and this application will expire on July 15, 1989.


Robert L. Morgan, P.E.
State Engineer

Well file



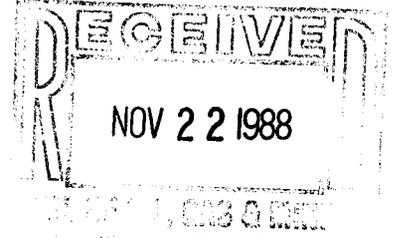
State of Utah

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

Norman H. Bangertter
Governor
Max J. Evans
Director

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

November 16, 1988



Mr. John Baza
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center Suite 350
Salt Lake City, Utah 84180

RE: Columbia Gas Development Corporation #5-3-A well location and access road at T 7 S R 21 E Sec. 5 in Brennan Basin, Uintah County, Utah (U-88-PA-175b)

In Reply Please Refer to Case No. M013

43-047-31842

Dear Mr. Baza:

Thank you for forwarding a copy of the above referenced cultural resources report. Our office did not receive a copy of the report from the archaeological contractor. We understand from the report that no cultural resources were located during the survey of the project area. We would, therefore, concur that no historic properties (archaeological or historical sites eligible for the National Register) will be impacted by the project. The Division of Oil, Gas and Mining may make any recommendations on the project it deems appropriate.

The above is provided as outlined by 36 CFR 800 or Utah Code, Title 63-18-37. The Utah SHPO makes no regulatory requirement in this matter. If you need additional assistance, please contact us at (801) 533-7039 or 533-6017.

Sincerely,
Diana Christensen

Diana Christensen
Regulation Assistance Coordinator

DC:M013/0140j OR/NP



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

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

February 1, 1990

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

Gentlemen:

Re: Alta 5-3-A, Sec. 5, T. 7S, R. 21E, Uintah County, Utah, API No. 43-047-31842

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective immediately.

Please note that a new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don T. Staley
Administrative Supervisor
Oil and Gas

TAS/lhc

cc: D.R. Nielson
R.J. Firth
Well file

HOI1/16