

UTAH OIL AND GAS CONSERVATION COMMISSION

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

** Location Abandoned - Application Rescinded - 4-4-83*

DATE FILED 6-22-81

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-14661 INDIAN _____

DRILLING APPROVED: 7-9-81

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: 7749'6R

DATE ABANDONED: LA 4-7-83

FIELD: WILDCAT 3/86

UNIT: MOCCASIN TRAIL

COUNTY: UINTAH

WELL NO. MOCCASIN TRAIL FEDERAL #32-18 API NO. 43-047-31011

LOCATION 1721' FT. FROM (N) ~~W~~ LINE, 2063' FT. FROM (E) ~~W~~ LINE, SW NE 1/4 - 1/4 SEC. 18

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
15S	25E	18	NATURAL GAS CORP. OF CALIF				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-14661
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Natural Gas Corporation of California		7. UNIT AGREEMENT NAME MICCASIN TRACT
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078 (801) 789-4573		8. FARM OR LEASE NAME Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1721' FNL, 2063' FEL SW $\frac{1}{4}$ NE $\frac{1}{4}$ At proposed prod. zone		9. WELL NO. 32-18
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 60 miles south of Vernal, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1721'	16. NO. OF ACRES IN LEASE 636.28	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 18, T15S, R25E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 8379'	12. COUNTY OR PARISH Uintah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7749' GR	20. ROTARY OR CABLE TOOLS Rotary	13. STATE Utah
		22. APPROX. DATE WORK WILL START* Summer 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K55 STC *	450'	300 sacks
8-3/4"	7"	23# K55 LTC *	4839'	As required
6-1/8"	4-1/2"	11.6# N80 LTC*	TD 8379'	As required

* All new casing.

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 Rick Canterbury TITLE Associate Engineer DATE June 17, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ FOR E. W. GUYNN DATE _____
CONDITIONS OF APPROVAL, IF ANY: TITLE DISTRICT OIL & GAS SUPERVISOR

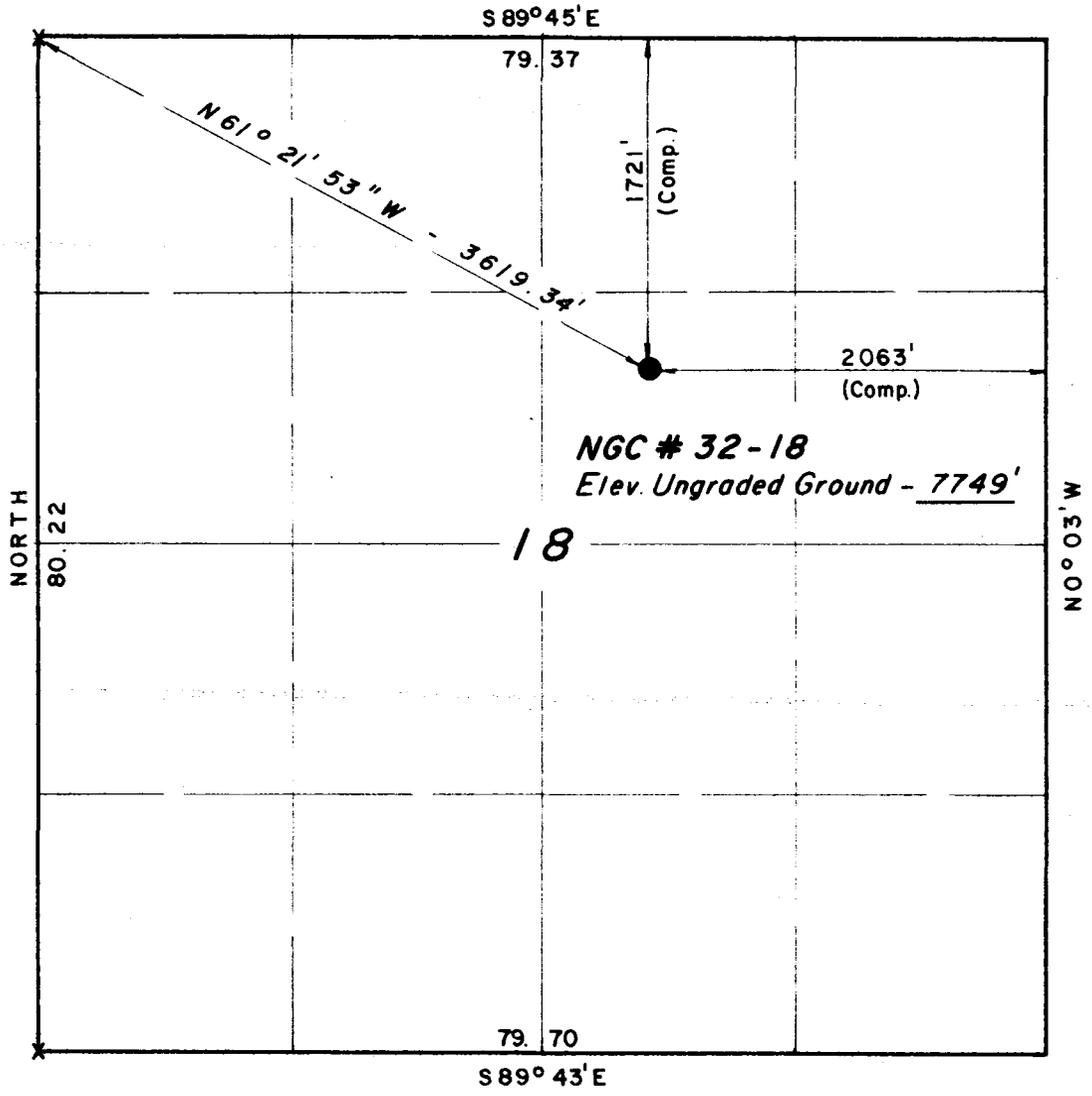
cc: USGS (5); Div. OG&M; Operations Supt.; C. T. Clark; E. R. Henry
NOTICE OF APPROVAL **CONDITIONS OF APPROVAL ATTACHED** **FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A**
*See Instructions on Reverse Side **DATED 1/1/80**

State of UT

T 15 S , R 25 E , S.L.B. & M.

PROJECT
**NATURAL GAS CORPORATION
 OF CALIFORNIA**

Well location, *NGC # 32-18*, located
 as shown in the SW 1/4 NE 1/4 Section 18,
 T15S, R25E, 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.

[Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3137
 STATE OF UTAH

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

SCALE	1" = 1000'	DATE	1/21/81
PARTY	RK BK RP	REFERENCES	GLO Plat
WEATHER	Partly Cloudy / Cold	FILE	NAT. GAS CORP. of CALIF.

X = Section Corners Located

NATURAL GAS CORP.
OF CALIF.

NGC # 32-18

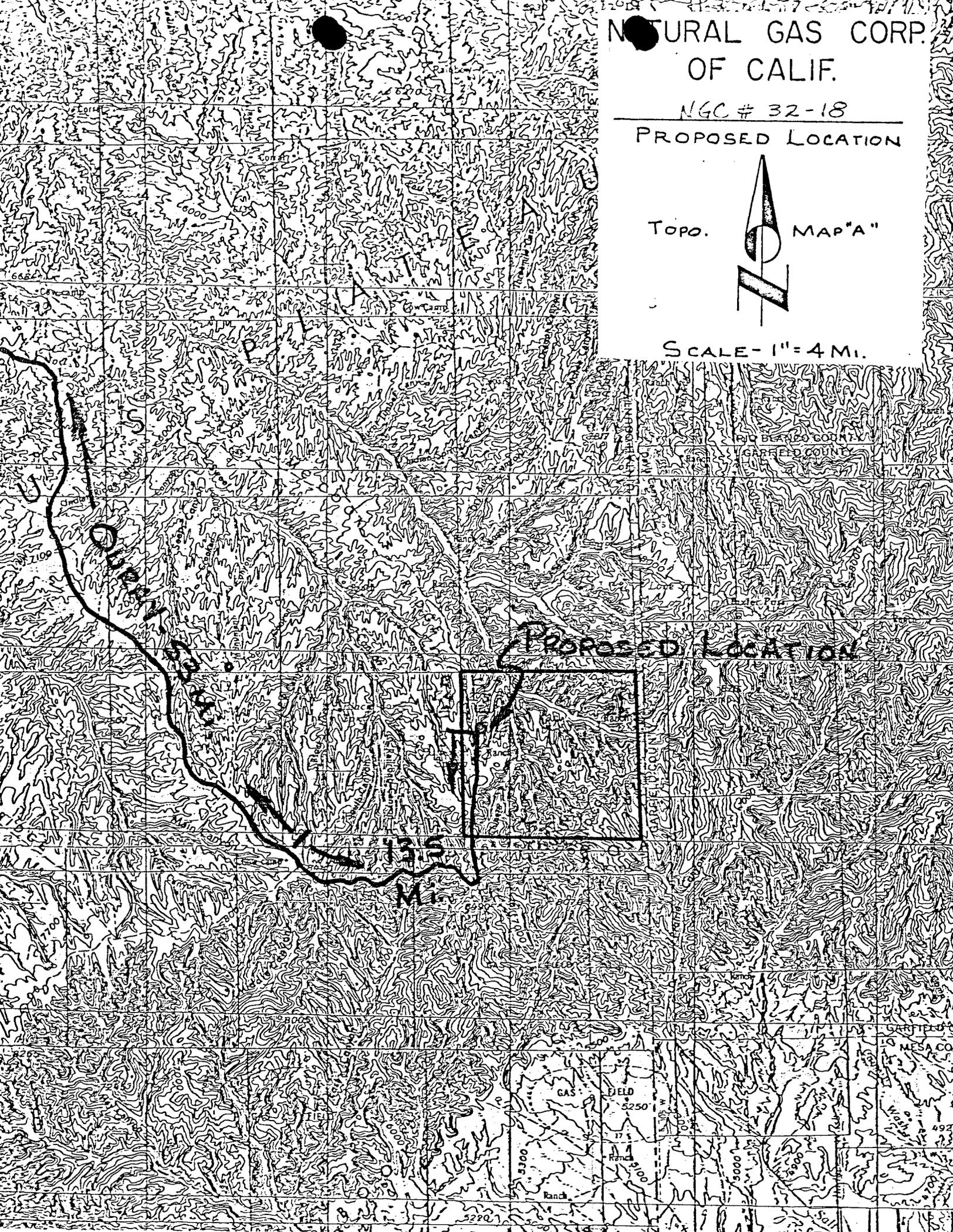
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 MI.



Identification CER/EA No. 508-81

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Natural Gas Corporation
Project Type Gas Well - Wildcat
Project Location 1721' FNL 2063' FEL Section 18, T. 15S, R. 25E
Well No. 32-18 Lease No. U-14661
Date Project Submitted June 22, 1981

FIELD INSPECTION

Date July 27, 1981

Field Inspection
Participants

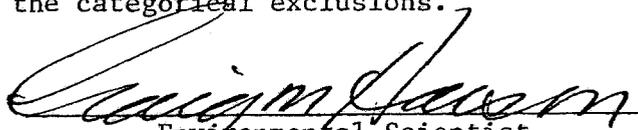
Craig Hansen	USGS, Vernal
Cory Bodman	BLM, Vernal
Bill Ryan	Natural Gas Corp.
Rick Canterbury	Natural Gas Corp.
Leonard Heeney	Dirt Contractor

Related Environmental Documents: Unit Resource Analysis Seep Ridge Planning
Unit BLM, Vernal

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

7-28-81

Date Prepared


Environmental Scientist

I concur

JUL 30 1981

Date



FOR

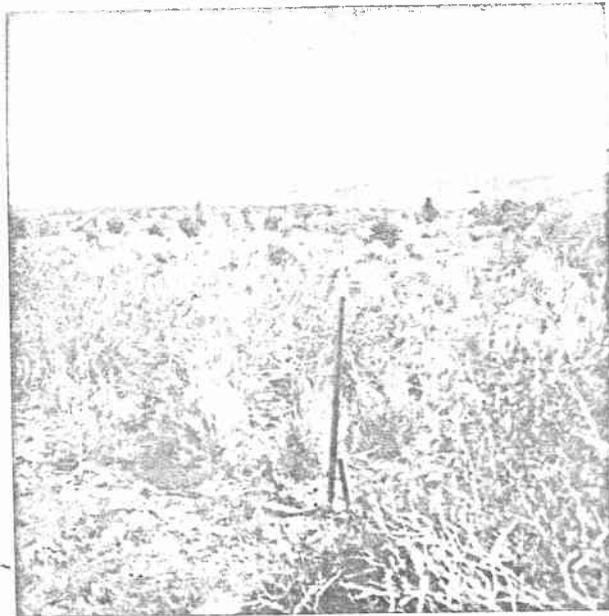
E. W. GYNN
DISTRICT ENGINEER

District Supervisor

Typing In 7-27-81 Typing Out 7-28-81

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

1. Surface Management Agency Input
2. Reviews Reports, or information received from Geological Survey
(Conservation Division, Geological Division, Water Resource Division,
Topographic Division)
3. Lease Stipulations/Terms
4. Application Permit to Drill
5. Operator Correspondence
6. Field Observation
7. Private Rehabilitation Agreement



NATURAL GAS CORP
32-18 north

RECOMMENDED STIPULATIONS FOR NATURAL GAS CORPORATION #32-18

1. Production facilities will be painted an olive green color to blend in with the natural surroundings.
2. Eight inches of topsoil will be placed on the south edge of the location to insure rehabilitation efforts.
3. Existing roads will be maintained to insure safe travel.
4. Brush will be piled and smashed to insure rehabilitation efforts.
5. Production flowlines will follow existing access to main transmission lines.
6. Reserve pits will be 50' x 150' in size to reduce cut on the east edge of the location.
7. Operator will adhere to BLM Surface Stipulations attached.



United States Department of the Interior

IN REPLY REFER TO

T & R
U-802

BUREAU OF LAND MANAGEMENT
VERNAL DISTRICT OFFICE
170 South 500 East
Vernal, Utah 84078

July 27, 1981

Ed Guynn, District Engineer
USGS, Conservation Division
2000 Administration Building
1745 West, 1700 South
Salt Lake City, Utah 84104

Re: Natural Gas Corporation
of California
Well #14-18 Sec. 18,
T15S, R25E
Well #32-18 Sec. 18,
T15S, R25E
Uintah County, Utah

Dear Sir:

A joint field examination was made on July 27, 1981 of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following revisions and stipulations:

1. \ Construction and maintenance of roads, rehabilitation of disturbed areas and construction of pipeline routes, shall be in accordance with surface use standards as set forth in the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development."
2. Traveling off access road right-of-ways will not be allowed. The maximum width of access pads (both existing and planned) will be 30 feet total disturbed area. Roads will be crowned and properly maintained. Turn-outs will not be required.
3. X The BLM will be notified at least 24 hours prior to any construction.
4. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained in trash cages and hauled to an approved disposal site.
5. A wire mesh or net-type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.



6. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.
7. PR Spring may not be used as a water source.
8. Live trees that must be removed may be pushed over and stockpiled separately from the topsoil. Large pieces of dead wood should also be stockpiled separately from the topsoil.
9. It was agreed to by all parties present that the applied for dimensions are adequate to handle all drilling and fracturing operations.
10. These wells will be in winter shut down locations. In order to minimize watershed damage at these sites will be allowed only during the period from April 30 to November 1. This limitation does not apply to maintenance and operation of producing wells.
11. ✓ The top 8 inches of topsoil will be collected and stockpiled between reference corners #1 and #8 at well #14-18.
12. The top 6-8 inches of topsoil will be collected and stockpiled as addressed in the applicants A.P.D. at well #32-18.
13. ✓ At well #32-18 the reserve pit dimensions were changed from 150 feet by 80 feet to 150 feet by 50 feet with the depth of the pit 10 feet.

No cultural resources were found at either location.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitats as long as the above stipulations are adhered to.

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,


Dean L. Evans
Area Manager
Bookcliffs Resource Area

cc: USGS, Vernal

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

Sheg

FROM: : DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-14661

OPERATOR: Natural Gas Corp. of California

WELL NO. 32-18

LOCATION: NW 1/4 SW 1/4 NE 1/4 sec. 18, T. 15S., R. 25E., SLREL

Uintah County, Utah

1. Stratigraphy:

Lower Green River - surface

mancoos "B" ~ 5095'

Wasatch ~ 1400'

Base of mancoos "B" ~ 5825'

mesaverde ~ 2220'

Dakota ~ 7930'

Castlegate ~ 4330'

TD 8379'

mancoos ~ 4540'

2. Fresh Water:

Fresh water probable in sandstones in Green River, Wasatch & upper part of mesaverde.

3. Leasable Minerals:

Oil shale in Green River; Mahogany eroded away at this location.

Coal in lower 500' of mesaverde

Oil & gas in Dakota

4. Additional Logs Needed: Adequate



5. Potential Geologic Hazards: None expected

6. References and Remarks:

USGS map I-736

Signature: James O. Fort

Date: 7-15-81

**NATURAL GAS CORPORATION
OF CALIFORNIA**

85 South 200 East
Vernal, Utah 84078
(801) 789-4573

June 17, 1981

RECEIVED

JUN 25

DIVISION OF
OIL, GAS & MINING

Mr. E. W. Guynn
Geological Survey-Conservation Div.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Mr. Michael T. Minder
Division of Oil, Gas, & Mining
1588 West North Temple
Salt Lake City, UT 84116

Re: Proposed NGC #32-18 Federal
Moccasin Trail Unit
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18, T15S, R25E
Uintah County, Utah

Gentlemen:

Enclosed are the following documents relating to drilling the above captioned well:

- 1) Application for Permit to Drill
- 2) Surveyor's Plat
- 3) Ten Point Drilling Plan
- 4) BOP and Pressure Containment Specifications
- 5) 13 Point Surface Use Plan

Your early consideration and approval of this application would be appreciated. Should you require additional information, please contact this office.

Sincerely,

Rick Canterbury
Rick Canterbury
Associate Engineer

/kh

Encls.

cc: Operations Supt.
C. T. Clark
E. R. Henry

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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
 Natural Gas Corporation of California

3. ADDRESS OF OPERATOR
 85 South 200 East, Vernal, UT 84078 (801) 789-4573

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 1721' FNL, 2063' FEL SW 1/2 NE 1/2
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1721'
 16. NO. OF ACRES IN LEASE 636.28

17. NO. OF ACRES ASSIGNED TO THIS WELL 160
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 8379'
 20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7749' GR
 22. APPROX. DATE WORK WILL START* Summer 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K55 STC *	450'	300 sacks <i>cement to surface</i>
8-3/4"	7"	23# K55 LTC *	4839'	As required
6-1/8"	4-1/2"	11.6# N80 LTC*	TD 8379'	As required

* All new casing.

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

DATE 7/8/81
BY: M. J. Minder

RECEIVED
JUN 29 1981
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 Rick Canterbury TITLE Associate Engineer DATE June 17, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

cc: USGS (5); Div. OG&M; Operations Supt.; C. T. Clark; E. R. Henry

10 Point Plan
Moccasin Trail Unit
NGC Well #32-18 Federal
Section 18, T15S, R25E
Uintah County, Utah

1. Surface Formation: Lower Green River

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Lower Green River	Surface	7761' KB
Mesaverde	2218'	5543'
Castlegate	4330'	3431'
Mancos	4539'	3222'
Mancos "B"	5094'	2667'
Base of "B"	5827'	1934'
Dakota Silt	7929'	- 168'
TD	8379'	- 618'

3. Producing Formation Depth: 7929'-8379'

4. Proposed Casing Program:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight/ft.</u>	<u>Setting Depth</u>	<u>Casing-New/Used</u>
12-1/4"	9-5/8"	36#, K55, STC	450'	New
8-3/4"	7"	23#, K55, LTC	4839'	New
6-1/8"	4-1/2"	11.6#, N80, LTC	TD	New

5. Pressure Control Equipment:

A 3000 psi WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from under the 9-5/8" surface casing. BOP system including the casing will be pressure tested to a minimum of 3000 psi for 30 mins. prior to drilling and will be mechanically checked daily during drilling operations.

6. Mud Program:

<u>Interval</u>	<u>Mud Weight lbs/gal</u>	<u>Viscosity Sec/Qt</u>	<u>Fluid Loss ML/30 mins.</u>	<u>Mud Type</u>
0-450' 450'-8379'	8.5 - 9.0	35	No Control	Spud Mud Air or Air Mist

7. Auxiliary Equipment:

Upper Kelly cock, full opening stabbing valve, 2½" choke manifold, and pit level indicator.

8. Testing, Coring, Sampleing, and Logging:

(a) Testing: The three potential formations will be flow tested.

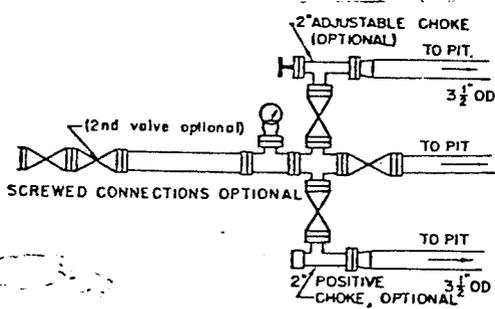
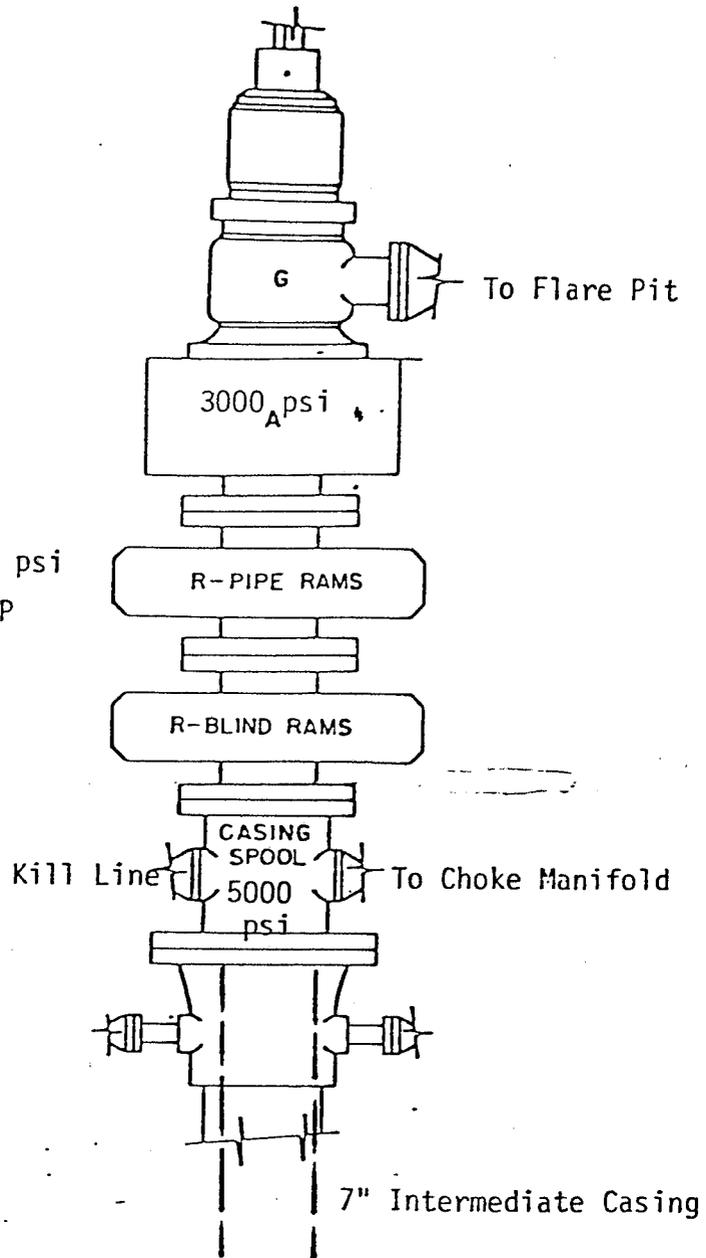
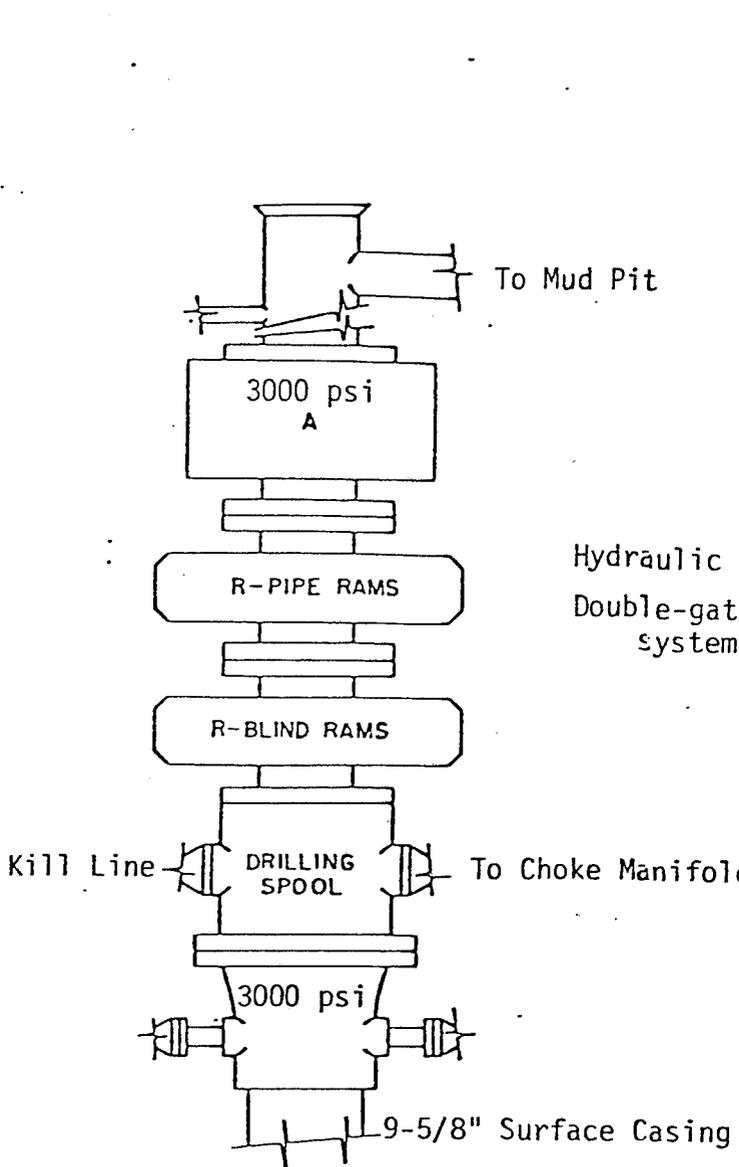
- (b) Coring: No cores will be taken.
- (c) Sampling: Samples will be taken at the geologist's discretion or every 10' from the surface to TD.

(d) Logging:	<u>Type</u>	<u>Interval</u>
(1)	DIL 2" Linear & 5" Logarithmic	TD - Surface Casing
(2)	BHC Sonic w/GR and "F" Log	TD - Surface Casing
(3)	CNL-FDC w/GR	Zones of Interest
(4)	DIL-CR, SNP-GR, FDL-GR Temp Survey	TD - Surface Casing
(5)	Dipmeter	5827' - TD

Stimulation will be determined at the time of completion. A Sundry Notice will be submitted prior to the commencement of operations.

- 9. Abnormalities: No abnormal temperatures, pressures, or other potential hazards are anticipated.
- 10. Drilling Schedule: Anticipated starting date is upon receipt of approval. The duration of operations is expected to be about 20 days.

Natural Gas Corporation of California #32-18 Federal
 BLOWOUT-PREVENTOR AND ACCESSORY EQUIPMENT



CHOKE MANIFOLD.

Test Schedule

- 1) 10" BOP, choke manifold and 9-5/8" casing to 1000 psi on nipple up.
- 2) 10" BOP, choke manifold and 7" casing to 3000 psi.
- 3) All BOP equipment tested for operation daily and on bit trips.

NATURAL GAS CORP. OF CALIFORNIA

13 Point Surface Use Plan

for

Well Location

NGC #32-18

Located In

Section 18, T15S, R25E, S.L.B.& M.

Uintah County, Utah

NATURAL GAS CORP. OF CALIFORNIA
NGC #32-18
Section 18, T15S, R25E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Natural Gas Corp., well location NGC #32-18, located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18, T15S, R25E, S.L.B. & M., Uintah County, Utah, proceed West from Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this highway and Utah State Highway 88 that exists to the South. Proceed South along Utah State Highway 88 - 17.8 miles to Ouray, Utah. Proceed South from Ouray along the Uintah County Road (of which the first 12 miles is paved and the rest an improved dirt road), 53 miles to P.R. Springs; proceed Easterly along a improved dirt road that is called the McCook Ridge road 13.5 miles to the junction of this road and the beginning of the proposed access road (to be discussed in Item #2).

The highways mentioned in the foregoing paragraph are bituminous surfaced road to Ouray, Utah at which point the road is surfaced with native asphalt for approximately 12 miles, and then is improved dirt.

There will be no construction required on the above described roads. These roads will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

The highways mentioned above are under Utah State jurisdiction and are maintained by State Road Crews. The County road is constructed of native asphalt (partially) and is maintained by County Road Crews.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

See attached graphs for location of B.L.M. roads to be used that are off of this lease.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18, T15S, R25E, S.L.B. & M. and proceeds in a Southeasterly direction approximately 300' \pm to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

NATURAL GAS CORP. OF CALIFORNIA
NGC #32-18
Section 18, T15S, R25E, S.L.B. & M.

2. PLANNED ACCESS ROAD - cont...

Back slopes along the cut areas of the road will be 1½ to 1 slopes and terraced.

There will be no culverts required along this road.

There will be no turnouts required along this access road.

There are no fences encountered along this access road. There will be no gates or cattleguards required.

Most lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is relatively flat. It is sparsely vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

There are no known water wells, producing wells, abandoned wells, disposal wells, drilling wells, shut in wells, injection, monitoring or observation wells, for other resources within a one mile radius of this location site.

4. LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES, AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no existing batteries, production facilities, gas gathering lines, injection or disposal lines within a one-mile radius of this location site belonging to Natural Gas Corporation of California.

In the event that production of oil from this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities if deemed necessary by the controlling agencies involved.

In the event that the production of natural gas is established then the necessary arrangement for a gas flow line will be made.

The rehabilitation of the disturbed area that is not required for the production of this well, will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

NATURAL GAS CORP. OF CALIFORNIA
NGC #32-18
Section 18, T15S, R25E, S.L.B. & M.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

The anticipated water supply for this location is from P.R. Springs in Section 33, T15 $\frac{1}{2}$ S, R23E, S.L.B. & M. and will be hauled by truck the 13.5 miles over the roads discussed in Item #1 & #2.

If this water source is not available then the necessary arrangements will be made to acquire the water needed for the drilling and production of this well and all agencies involved will be notified of any changes.

All regulation and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

All appropriate permits will be acquired and submitted to the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site shall be borrow materials accumulated during construction of the location site. No additional road gravels or pits lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

NATURAL GAS CORP. OF CALIFORNIA
NGC #32-18
Section 18, T15S, R25E, S.L.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL - cont...

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements of Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Land Fill.

A portable toilet will be supplies for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location Layout Sheet & Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of cover.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

NATURAL GAS CORP. OF CALIFORNIA
NGC #32-18
Section 18, T15S, R25E, S.L.B. & M.

10. PLANS FOR RESTORATION OF SURFACE - cont...

When restoration activities have been completed the location site and access road will be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A").

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the North to the Colorado River to the South and is a portion of the East Tavaputs Plateau.

The area is interlaced with numerous ridges and canyons formed by non-perennial streams and washes. The sides of the hills and canyons are rather steep and outcrops of sandstones, conglomerates, and shale deposits, are common in the area forming ledges and cliff along the sides of the canyons.

The visible geologic structures in the area of the Tuscher Formation Tertiary Period and the Wasatch Formation also of the Tertiary Period.

The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during the early spring run-off and during extremely heavy rain storms of relatively long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

The topsoil in the area ranges from a sandy-clay (SM-ML) type soil to a clayey (OL) type soil.

Due to the low precipitation average, climate condition and the types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in, and consists of juniper, and pinion pine trees, sagebrush, scrub oak, shadscale, and bitterbrush, and some grasses and cacti as the primary flora.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents and various forms of reptiles.

The area is used by man for the primary purpose of grazing domestic livestock and sheep.

The birds of the area are raptors, finches, sparrows, magpies, crows, and jays.

NATURAL GAS CORP. OF CALIFORNIA
NGC #32-18
Section 18, T15S, R25E, S.L.B. & M.

11. OTHER INFORMATION

The Topography of the Immediate Area (See Topographic Map "B").

The proposed location sits on top of a ridge above Tom Patterson canyon to the West and Chipeta Canyon to the East.

The visible structure of the location is of the Tuscher formation and consists of brownish-gray sandy-clay (SP-CL) with some shale outcrops.

The ground slopes through the location to the North at approximately a 3.4% grade.

The location is covered with juniper and pinion pine trees, scrub oak, sagebrush and grasses.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Rick Canterbury
85 South 200 East
Vernal, UT 84078

1-801-789-4573

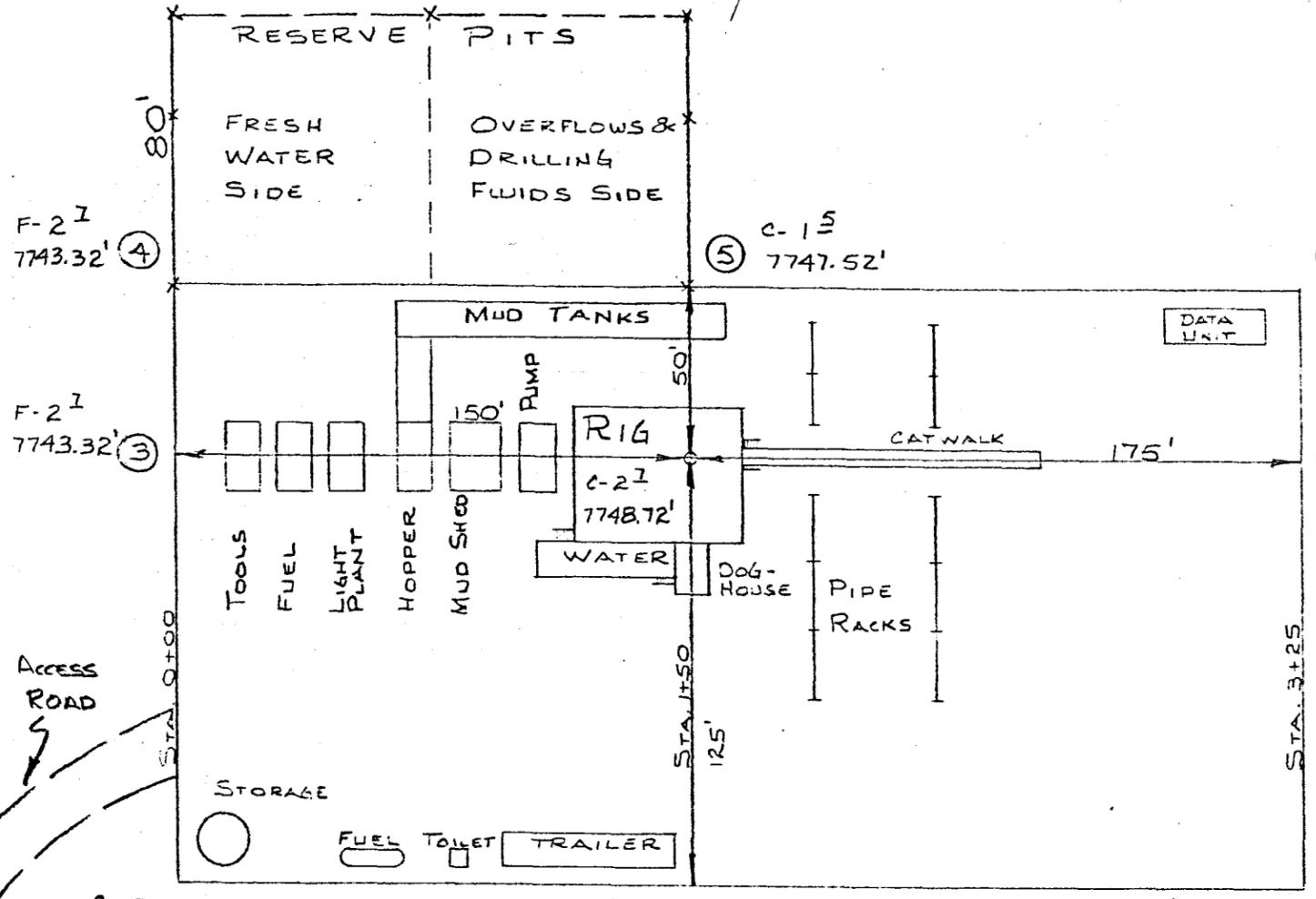
13. CERTIFICATION

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 presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by the Natural Gas Corp. of California its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

June 17, 1981
Date

Rick Canterbury
Rick Canterbury, Associate Engineer

NATURAL GAS CORPORATION
OF CALIFORNIA
NGC # 32-18



F-2 I
7743.32' ④

F-2 I
7743.32' ③

F-10 I
7735.82' ②

C-1 I
7747.52' ⑤

C-2 I
7748.79' ⑥

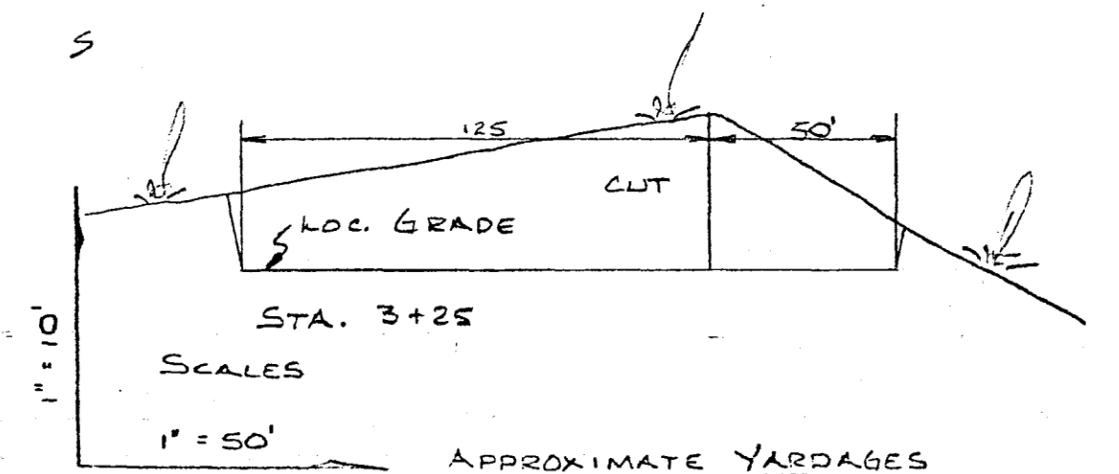
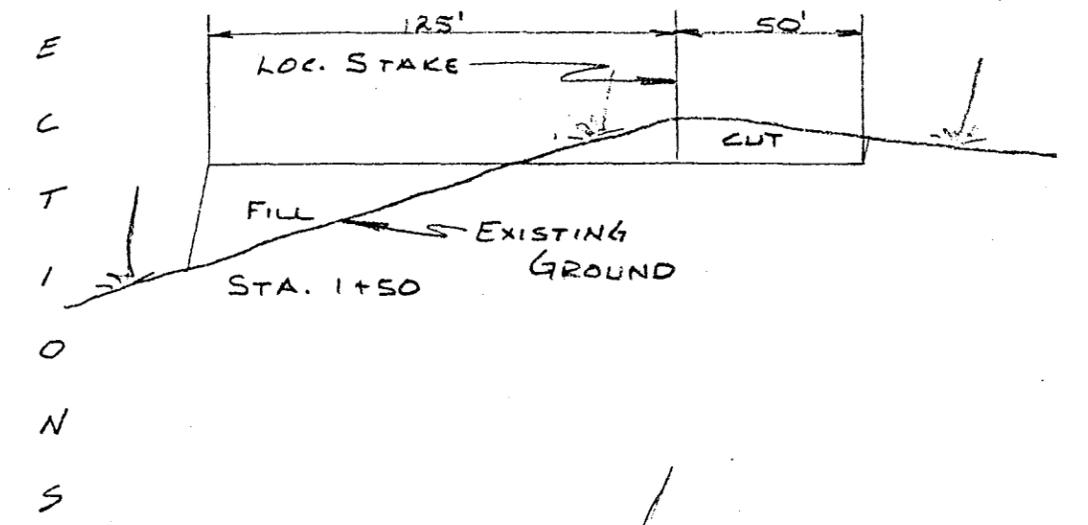
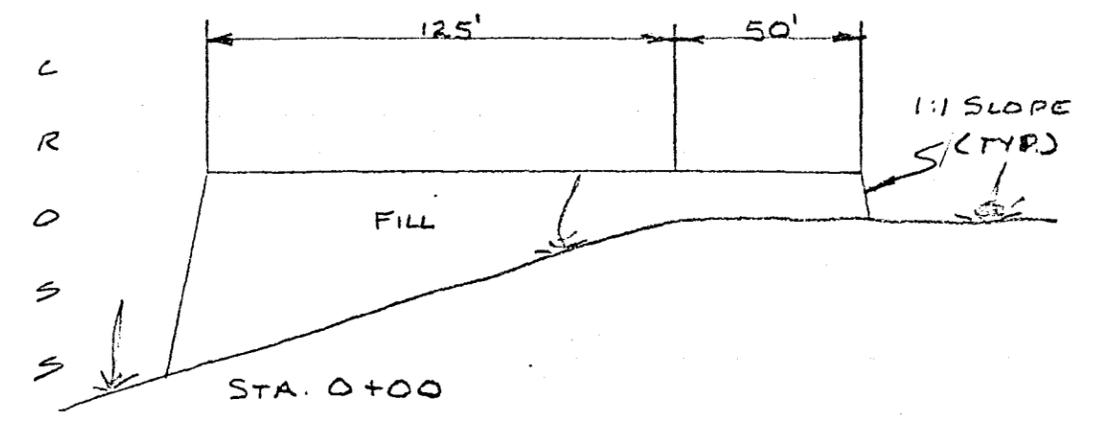
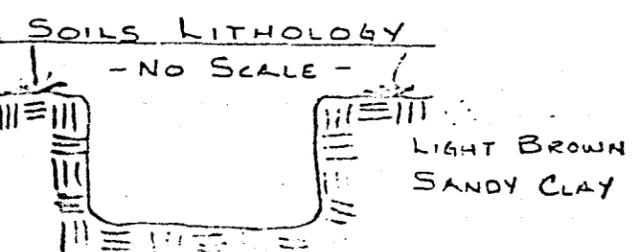
C-8 I
7754.29' ⑦

F-5 I
7740.82' ①

C-4 I
7750.19' ⑧

SCALE: 1" = 50'

WIND EAST



APPROXIMATE YARDAGES
CUBIC YARDS CUT - 4,461
CUBIC YARDS FILL - 4,146

NATURAL GAS CORP.
OF CALIF.

NGC # 32-18

PROPOSED LOCATION

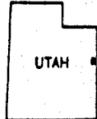
Topo. MAP "B"



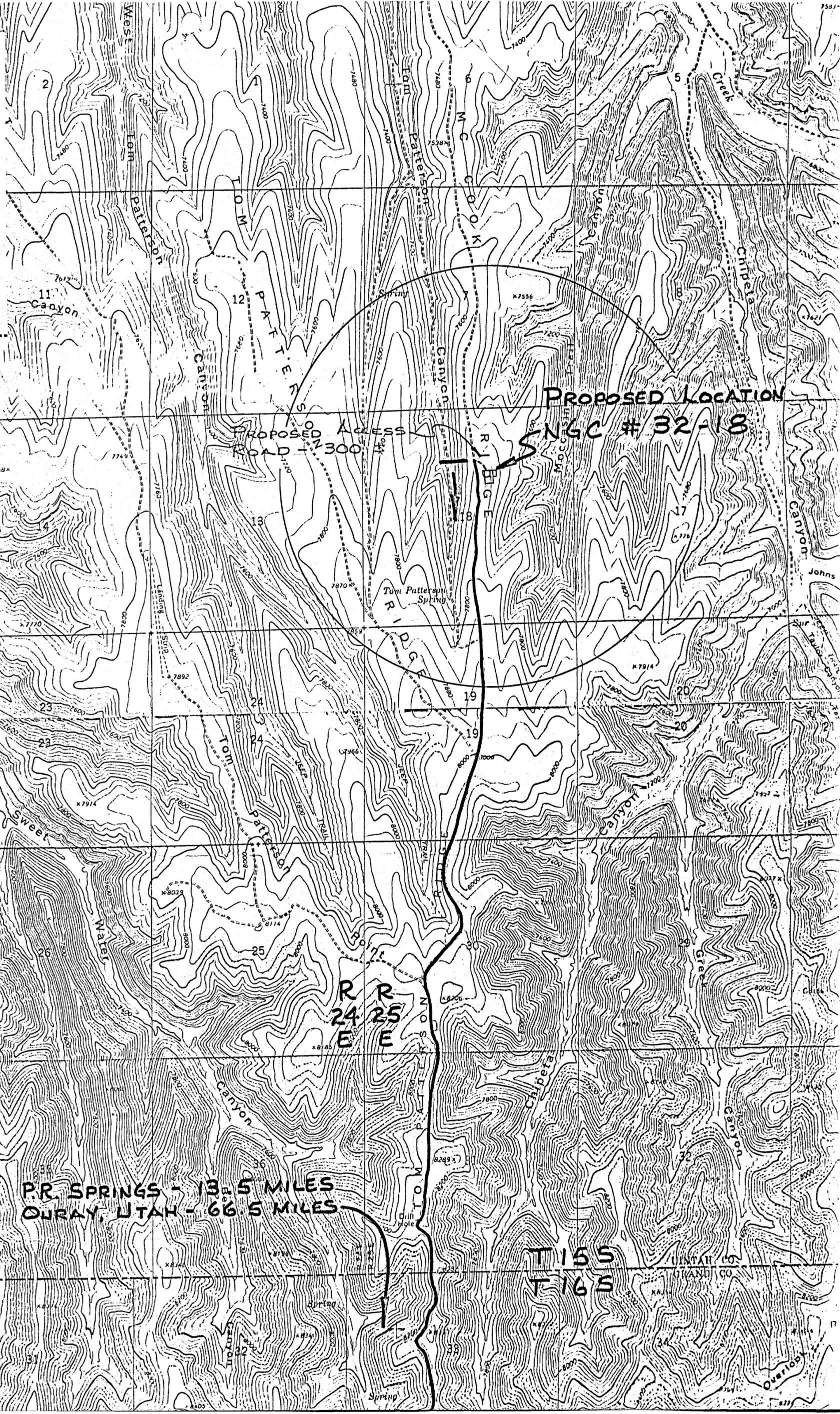
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt - - - - -



QUADRANGLE LOCATION



PROPOSED LOCATION
NGC # 32-18

PROPOSED ACCESS
ROAD - 1300'

P.R. SPRINGS - 13.5 MILES
DURAY, UTAH - 66.5 MILES

T 15 S
T 16 S

UTAH CO
STANLEY CO

** FILE NOTATIONS **

DATE: July 8, 1981
OPERATOR: Natural Gas Corp. of Calif.
WELL NO: Moccasin Trail Federal #32-18
Location: Sec. 18 T. 15S R. 25E County: Wintah

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API Number 43-047-31011

CHECKED BY:

Petroleum Engineer: M. J. Minder 7/8/81

Director: _____

Administrative Aide: Unit Well, ok on boundaries

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site

Lease Designation Fed Plotted on Map

Approval Letter Written

Hot Line P.I.

July 9, 1981

Natural Gas Corporation of Calif.
85 South 200 East
Vernal, Utah 84078

RE: Well No. Moccasin Trail Federal #32-18
Sec. 18, T. 15S, R. 25E,
Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-31011.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder
Petroleum Engineer

MTM/db
CC: USGS



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 6, 1982

Natural Gas Corp. Of Cal.
85 South 200 East
Vernal, Utah 84078

Re: Well No. Glen Bench #34-27
Sec. 27, T. 8S, R. 22E.
Uintah County, Utah

Well No. Moccasin Trail Federal #14-18
Sec. 18, T. 15S, R. 25E.
Uintah County, Utah

Well No. Moccasin Trail #32-18
Sec. 18, T. 15S, R. 25E.
Uintah County, Utah

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

**NATURAL GAS CORPORATION
OF CALIFORNIA**

85 South 200 East
Vernal, Utah 84078

April 8, 1982

Ms. Carie Furse
Division of Oil, Gas & Mining
4241 State Office Bldg.
Salt Lake City, UT 84114

Mr. E. W. Guynn
Minerals Management Service
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Re: NGC #32-18 Federal
Section 18, T.15S., R.25E.
Uintah County, Utah

Gentlemen:

Attached are copies of Form OGC-1b, Sundry Notices and Reports on Wells, Notification of Well Status, for the above referenced well.

Sincerely,


Rick Canterbury
Associate Engineer

/kh

Attachment

cc: Operations
C. T. Clark
E. R. Henry



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 15, 1983

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Re: See attached list of wells

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill these locations at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf

Well No. Fee # 21-2
Sec. 2, T. 13S, R. 4E.
Sanpete County, Utah

Well No. NGC Federal # 34-1
Sec. 1, T. 8S, R. 22E.
Uintah County, Utah

Well No. NGC Federal # 14-12
sec. 12, T. 8S, R. 22E.
Uintah County, Utah

Well No. Federal # 44-14
Sec. 14, T. 8S, R. 22E.
Uintah County, Utah

Well No. Glen Bench Federal # 44-15
Sec. 15, T. 8S, R. 22E.
Uintah County, Utah

Well No. NGC Federal # 44-4
Sec. 4, T. 8S, R. 23E.
Uintah County, Utah

Well No. Moccasin Trail Federal # 32-18
Sec. 18, T. 15S, R. 25E.
Uintah County, Utah

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

April 4, 1983

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Re: Rescind Application for Permit
to Drill
Well No. 32-18
Section 18, T. 15 S., R. 25 E.
Uintah County, Utah
Lease U-14661

Gentlemen:

The Application for Permit to Drill the referenced well was approved on September 17, 1981. Since that date no known activity has transpired at the approved location. Under District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of the well will be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) W. P. MARTENS
Drilling Unit Supervisor

for E. W. Guynn
District Oil and Gas Supervisor

bcc: Well File
SMA
State O&G ✓
State BLM
APD Control
Vernal or Durango

WPM/kr

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

SEE IN TRIPLICATE*
(See instructions on reverse side)

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. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-14661
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078 (801) 789-4573		7. UNIT AGREEMENT NAME Moccasin Trail
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1721' FNL, 2063 FEL SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 18, T.15S., R.25E.		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-047-31011		9. WELL NO. 32-18
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 7749' GR		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 18, T15S., R25E.
		12. COUNTY OR PARISH 13. STATE Uintah Utah

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

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

(Other) Notification of Well Status (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.)*

The subject well has not been drilled, however, we request to keep the well application active as the well may be drilled in future.

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

SIGNED *Rick Canterbury* TITLE Associate Engineer DATE April 7, 1982
Rick Canterbury

(This space for Federal or State office use)

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

cc: Minerals Management; Div. of OG&M; Operations; C.T.Clark; E.R. Henry



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

April 7, 1983

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

RE: Rescind Application for
Permit to Drill
Well No. 32-18
Sec. 18, T.15S, R.25E
Uintah County, Utah

Gentlemen:

Approval of Application for Permit to Drill the above referenced well is rescinded without prejudice as of the above date in concert with action taken by Oil and Gas Operations.

If you intend to drill this location at a future date, a new application for permit to drill may be submitted for State approval.

Sincerely,

A handwritten signature in cursive script, appearing to read "Norman C. Stout".

Norman C. Stout
Administrative Assistant

NS/as

*Natural Gas
Corporation of
California*

NGC NGC

May 23, 1983

Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: NGC #32-18 Federal
Section 18, T.15S., R.25E.
Uintah County, UT
Mocassin Trail Unit

Gentlemen:

Attached are copies of Form 9-331, Sundry Notices and Reports on Wells,
Notification of Well Status, for the subject well.

Sincerely,

Rick Canterbury

Rick Canterbury
Associate Engineer

/kh

cc: Operations
E. R. Henry

RECEIVED
MAY 26 1983

**DIVISION OF
OIL, GAS & MINING**

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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 Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1721' FNL, 2063' FEL, SW $\frac{1}{4}$ NE $\frac{1}{4}$
AT TOP PROD. INTERVAL: Sec. 18, T.15S., R.25E.
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/> Notification of Well Status	

5. LEASE
U-14661

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Mocassin Trail *Terminated*

8. FARM OR LEASE NAME
Federal

9. WELL NO.
32-18

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 18, T.15S., R.25E.

12. COUNTY OR PARISH | 13. STATE
Uintah | Utah

14. API NO.
43-047-31011

15. ELEVATIONS (SHOW DF, KDB, AND WD)
7749' GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

The subject well has not been drilled. Prior to submitting a letter stating no surface has been disturbed, we would like to field inspect the site. As soon as roads are accessible in the area, we will inspect the site and notify your office.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Rick Canterbury TITLE Associate Engr. DATE May 23, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: Operations; ERHenry



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 27, 1983

Natural Gas Corporation of California
Att: Rick Canterbury
85 South 200 East
Vernal, Utah 84078

Re: Well No. NGC # 32-18
Sec. 18, T. 15S, R. 25E.
Uintah County, Utah

Dear Mr. Canterbury:

In regards to receiving your letter of May 23, 1983, I thought that I should send you a letter we sent to Natural Gas on April 7, 1983 (note: enclosure with highlight). If Natural Gas still has plans to drill this well, a new Application for Permit to Drill will need to be submitted.

Sincerely,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Well Records Specialist

CF/cf
Enclosures

Natural Gas
Corporation of
California

L.A.

July 6, 1983

Mr. E. W. Guynn
Oil and Gas Operations
Bureau of Land Management
1745 West 1700 South, Suite 2000
Salt Lake City, UT 84104

Re: NGC Well #32-18
Section 18, T.15S., R.25E.
Lease U-14661
Uintah County, Utah

Dear Mr. Guynn:

The subject well has not been drilled. The location has also been field inspected and no surface has been disturbed at this site. If it is decided to drill this well at a later date, a new application for permit to drill will be submitted.

Sincerely,

Rick Canterbury

Rick Canterbury
Associate Engineer

RC/kh

cc: Division of Oil, Gas & Mining
Operations - NGC/Denver
C. T. Clark - NGC/Denver
E. R. Henry - NGC/San Francisco

RECEIVED
JUL 08 1983