

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED 12-1-80

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-05010-C INDIAN \_\_\_\_\_

DRILLING APPROVED: 12-2-80

SPUDDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: 7416 GR

DATE ABANDONED: Location Abandoned - Well never drilled - Nov 19, 1987

FIELD: Undesignated 3/86 San Anoyo

UNIT: \_\_\_\_\_

COUNTY: Grand

WELL NO. Federal #43-7 API NO. 43-019-30749

LOCATION 1940' FT. FROM (X) (S) LINE. 549' FT. FROM (E) (W) LINE. NE SE 1/4 - 1/4 SEC. 7 SLBM

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
16S	25E	7	NATURAL GAS CORP. OF CALIF				

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

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

November 25, 1980

RECEIVED

NOV 28 1980

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. Frank M. Hamner~~  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Re: Proposed NGC #43-7 Federal  
Section 7, T16S, R25E  
Grand 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 Procedure
- 4) BOP and Pressure Control Specifications
- 5) Location Layout Map
- 6) Topographic Maps

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

Yours truly,

*Wm Ryan*

Wm. A. Ryan  
Petroleum Engineer

/kh

Encls.

cc: J. C. Bendler  
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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface: 549 FSL & 1940 FSL  
 1045' FNL, 1778' FEL, Section 7, T16S, R25E, NE-SE  
 At proposed prod. zone: correct loco (use plat) NW NE SE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 21 miles northwest of Mack, Colorado

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

16. NO. OF ACRES IN LEASE  
 1114.69

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

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

19. PROPOSED DEPTH  
 6170

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 7416 GR

22. APPROX. DATE WORK WILL START\*  
 Upon receipt of approval.

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 New	250	250 sacks
8-3/4"	7"	23# K55 New	2905	160 sacks
6-1/8"	4-1/2"	11.6# N80 New	TD	As required.

Operator proposes to drill well to 6170' to test the Morrison formation. All water flows and significant hydrocarbon shows will be evaluated and reported. Drilling operations will be conducted according to the attached procedure and all applicable regulations. Adequate BOP equipment will be installed and maintained as indicated in the attached pressure control specifications. Casing will be run as outlined above and cemented sufficiently to protect all potentially productive intervals. No abnormal pressures, temperatures, or other hazards are anticipated.

APPROVED BY THE DIVISION  
 OF OIL, GAS, AND MINING  
 DATE: 12/1/80  
 BY: Wm. R. Ryan

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 Wm. R. Ryan TITLE Petroleum Engineer DATE 11/25/80

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

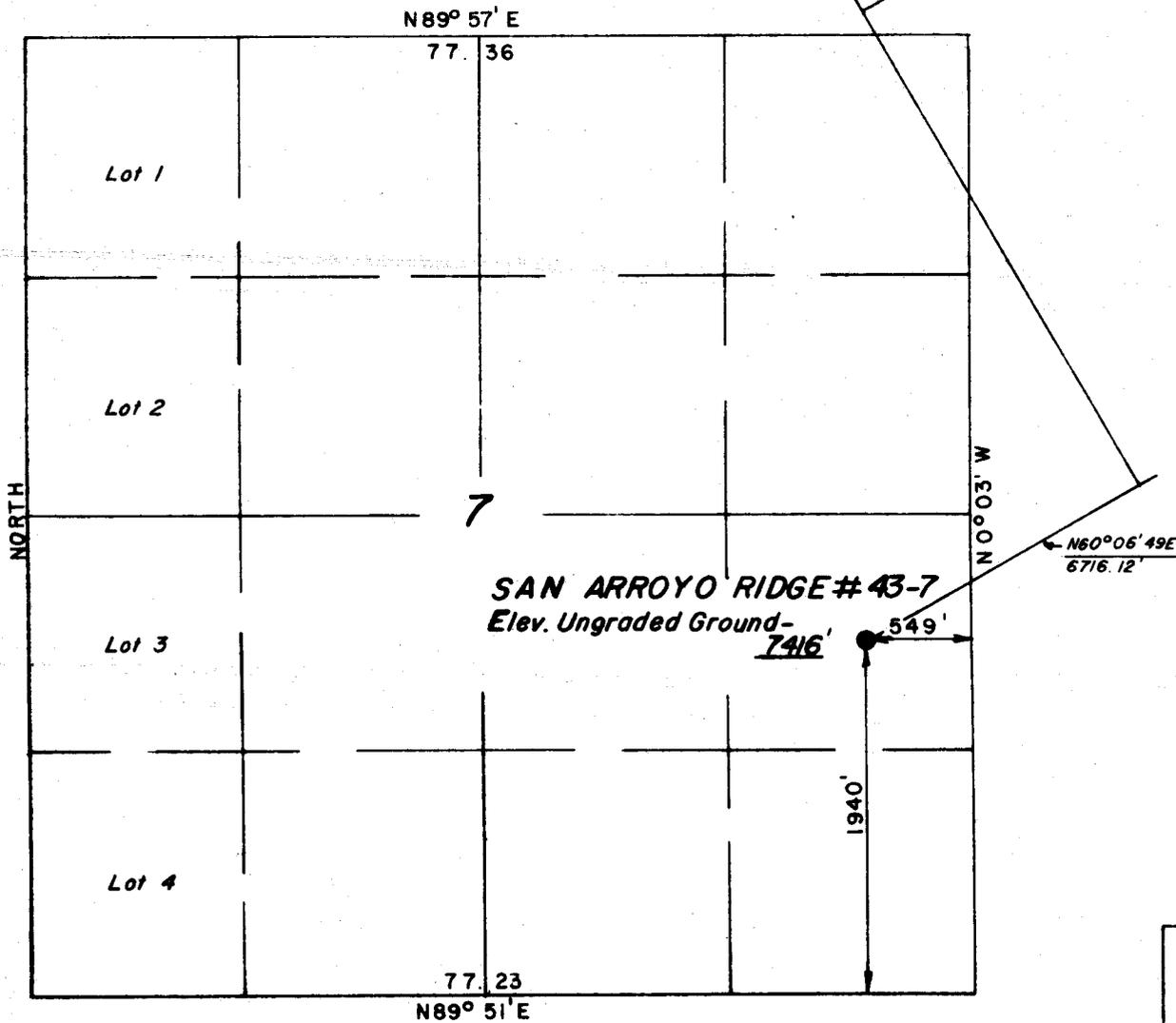
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
 cc: USGS; WYO&GCC; JCBendler; ERHenry; CTCIark

T16S, R25E, S.L.B. & M.

NE Cor. Sec. 4  
T16S R25E S.L.B.M.  
SW Cor. Sec. 4  
T16S R25E S.L.B.M.

PROJECT  
**NATURAL GAS CORP. OF CALIF.**  
Well location, **SAN ARROYO RIDGE #43-7**  
located as shown in the NE 1/4 SE 1/4  
Section 7, T16S, R25E, S.L.B. & M.  
Grand 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.

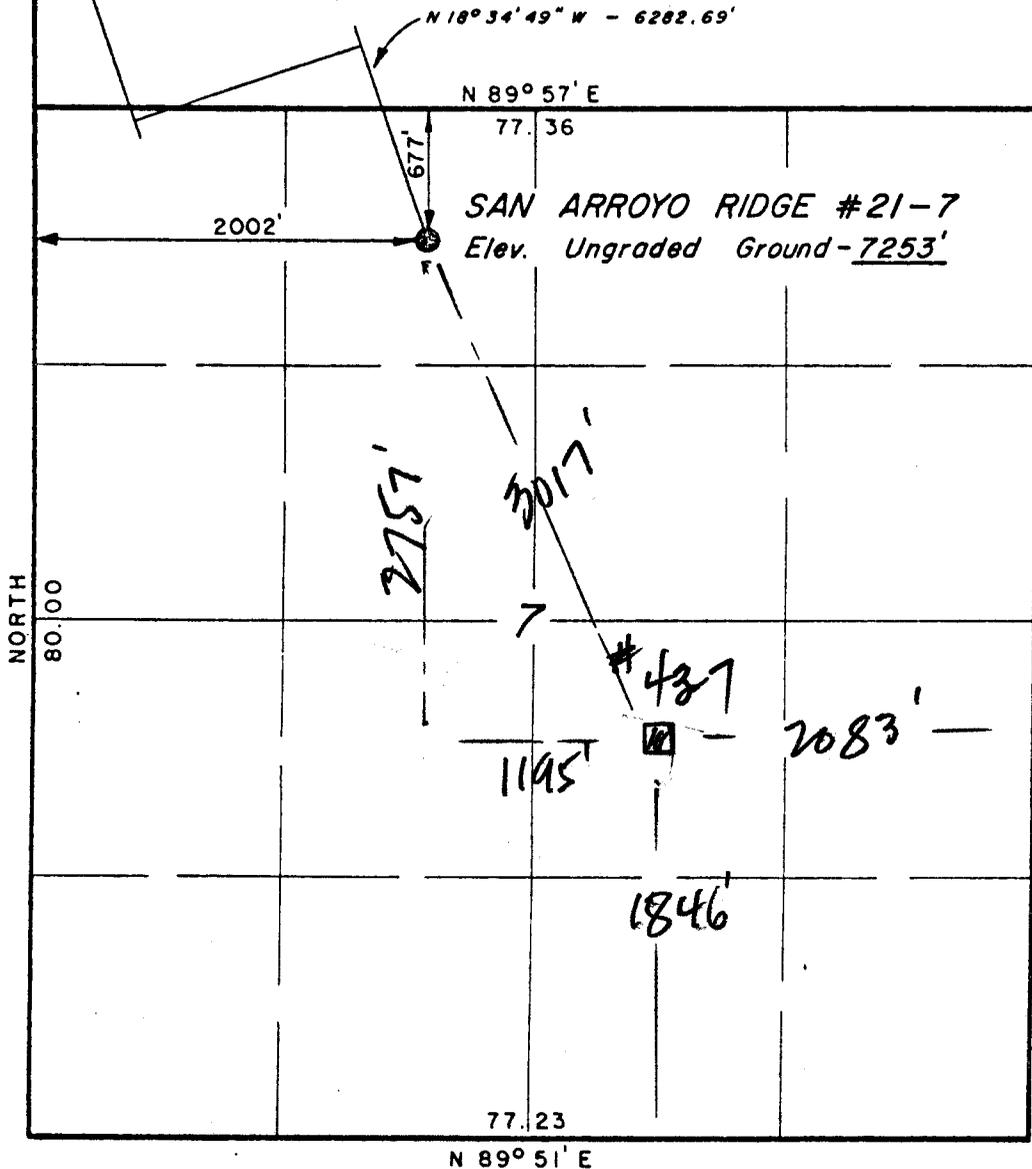
*Laurence P. Kay*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> P.O. BOX Q - 110 EAST - FIRST SOUTH VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE Oct. 17, 1980
PARTY DB BK DD	REFERENCES GLO Plat
WEATHER Fair	FILE Natural Gas Corp.

X = Section Corners Located

NW Cor. Section 6, T16S, R25E, S.L.B. & M.

T 16 S, R 25 E, S.L.B. & M.



X = Section Corner Located

PROJECT

NATURAL GAS CORP. OF CALIFORNIA

Well location, SAN ARROYO RIDGE #21-7, located as shown in the NE1/4 NW1/4 Section 7, T16S, R25E, S.L.B. & M. Grand County, Utah.

Zone B  
DRILLING  
UNIT NO. 27



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.

*Lawrence E. Gray*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	10 / 9 / 80
PARTY	RK BK AC	REFERENCES	GLO Plat
WEATHER		FILE	

Natural Gas Corporation of California  
 San Arroyo #43-7 Federal  
 10 Point Drilling Procedure

1. Surface formation is Green River.

2. Estimated Formation Tops:	<u>Elevation</u>	<u>Datum</u>
Tertiary	Surface	+7416'
Mesaverde	211'	+7205'
Castlegate	1814'	+5602'
Mancos	1875'	+5541'
Mancos B	2905'	+4511'
Stray Sand	3690'	+3726'
Dakota Silt	5721'	+1695'
Cedar Mountain	5816'	+1600'
Morrison	5843'	+1573'
TD	6170'	+1245'

3. Estimated zones with gas, oil and/or water.

Mancos B  
 Dakota  
 Cedar Mountain

4. Casing Program:

Surface - 9-5/8" @ 250', K-55, STC, 36.0#, New  
 Intermediate - 7" @ 2905', K-55, STC, 23.0#, New  
 Production - 4-1/2" @ 6170', N-80, LTC, 11.6#, New

5. Pressure Control Equipment: See attached diagram. BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing and will be checked daily as to mechanical operating conditions.

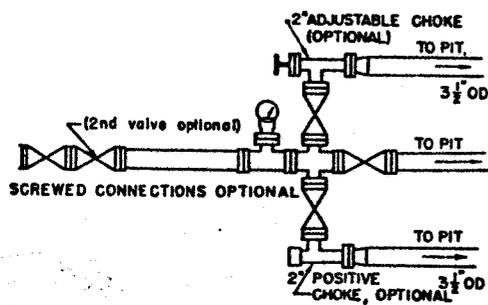
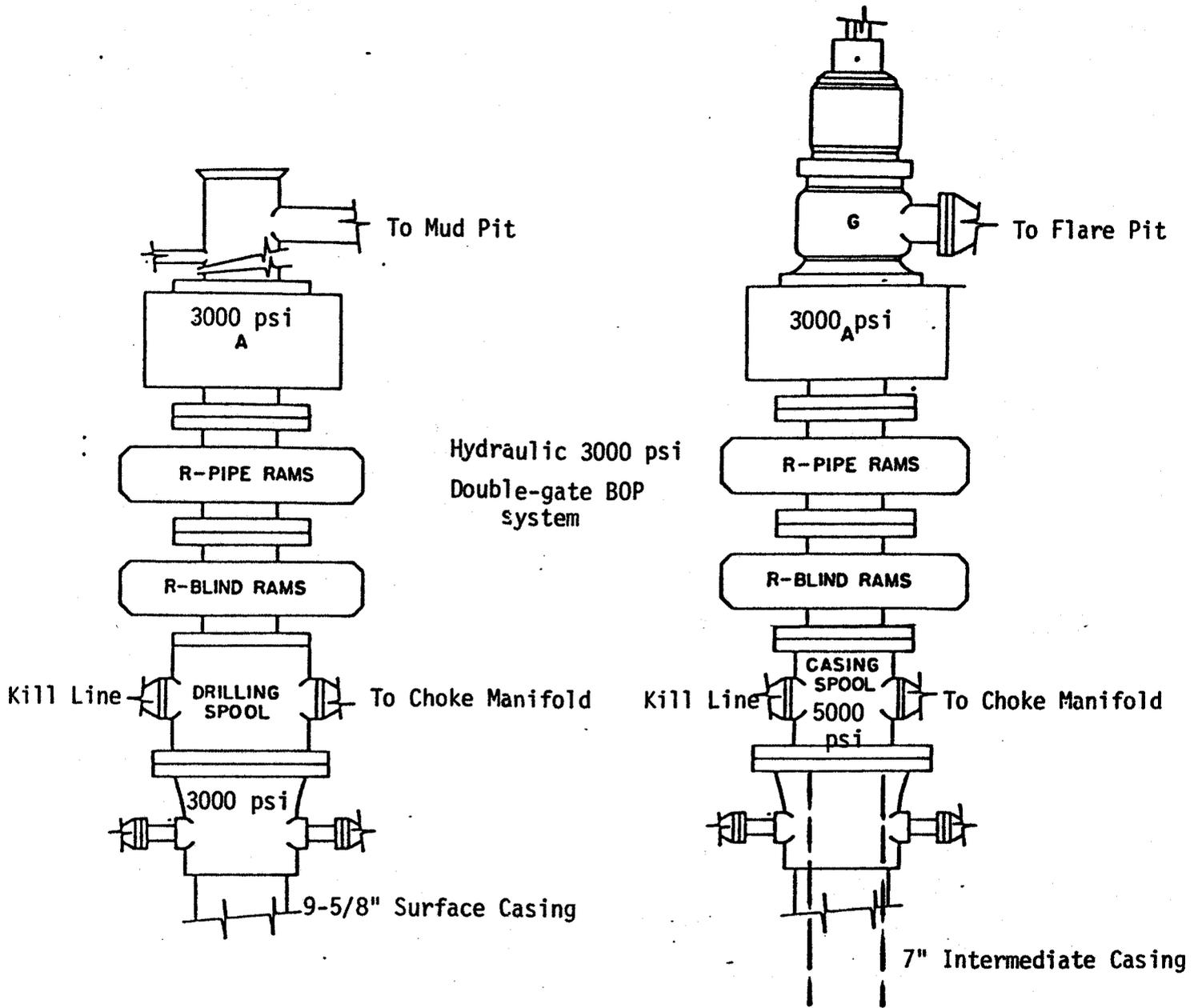
6. Mud program will be fresh water base drilling mud below surface casing to intermediate casing depth. Gel and lime should be used if needed in the event additional viscosity is required for hole cleaning. Conventional types of lost circulation materials should handle minor losses. However, if losses are severe, cement plugs should be utilized to regain circulation.

<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>
0-250	8.3 - 8.4	27 - 29
250-2905	8.4 - 8.8	27 - 29
2905- TD	Air or air mist	

7. Auxiliary equipment will include (1) Kelly cock, (2) drill pipe float (air drilling), (3) monitoring of mud system will be visual, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when kelly is not in the string and (5) rotating drilling head (air drilling).

8. No coring or drillstem testing has been scheduled for this well, however, frequent flow testing while air drilling through potential formations will be conducted. Logging will include DIL-GR, BHC-Sonic-Gamma Ray and FDC/CNL from 2905' to base surface casing and DIL-SFL, SNP-Gamma Ray, FDC-Gamma Ray and Dipmeter (selective intervals) from TD to base of intermediate casing. A temperature log may re run if the well is flowing gas. Stimulation will be determined at time of completion. A Sundry Notice will be submitted prior to commencing operations.
9. No abnormal pressures or temperatures, hydrogen sulfide, or other hazards are anticipated. However, a mud logger or wellsite geologist will be on location at all times to monitor drilling progress.
10. Anticipated starting date upon receipt of approval. Duration of drilling operations is expected to be about 20 days.

# BLOWOUT-PREVENTOR AND ACCESSORY EQUIPMENT



3000 psi

**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

San Arroyo Ridge #43-7

Located In

Section 7, T16S, R25E, S.L.B. & M.

Grand County, Utah

NATURAL GAS CORP. OF CALIFORNIA  
San Arroyo Ridge #43  
Section 7, T16S, R25E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Natural Gas Corp., well location San Arroyo Ridge #43-7, located in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 7, T16S, R25E, S.L.B. & M., Grand 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 an improved dirt road that is called the McCook Ridge road 10.8 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 roads 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 on the above described roads. They will meet the necessary standards required to facilitate and 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.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing road described in Item #1 in the SE $\frac{1}{4}$  NE $\frac{1}{4}$  Section 12, T16S, R24E, S.L.B. & M. and proceeds in a Southerly and Easterly direction approximately 1.7 miles 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 whter it is determined necessary in order to handle any run-off from normal meterological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 $\frac{1}{2}$  to 1 slope and terraced.

2. PLANNED ACCESS ROAD - cont..

There will be one culvert required along this access road. It will be placed according to specification found in the Oil & Gas Surface Operation Manual.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 10' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

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 steep; running around the point of a steep ridge and up a canyon.

3. LOCATION OF EXISTING WELLS

At the present time there are no known water 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.

There are however two producing wells and one abandoned well within a one mile radius. (Refer to Topographic Map "B").

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 Corp. 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 arrangements for a gas flowline will be made.

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

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B"

NATURAL GAS CORP. OF CALIFORNIA  
San Arroyo #43 - 7  
Section 7, T16S, R25E, S.L.B. & M.

5. LOCATION AND TYPE OF WATER SUPPLY - cont...

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 12.5 miles over the roads discussed in Item #1 and #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.

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 and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit 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 waterfowl, wildlife and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time the 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.

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 chemical toilet will be supplied 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' 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.

When restoration activities have been completed, the location site and access road shall 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 Item #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.

NATURAL GAS CORP. OF CALIFORNIA  
San Arroyo #43 - 7  
Section 7, T16S, R25E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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 cliffs along the sides of the canyons.

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

The major drainage in the area with a year-round flow is the West Fork Bitter Creek to the East.

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, shadacale, 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.

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

The proposed location sits near the bottom of a non-perennial drainage which runs into East Canyons. The location sits on a very steep side hill.

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 Northwest at approximately a 23% grade.

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

NATURAL GAS CORP. OF CALIFORNIA  
San Arroyo #43-7  
Section 7, T16S, R25E, S.L.B. & M.

11. OTHER INFORMATION - cont...

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

R. J. Firth  
85 South 200 East  
Vernal, Utah 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.

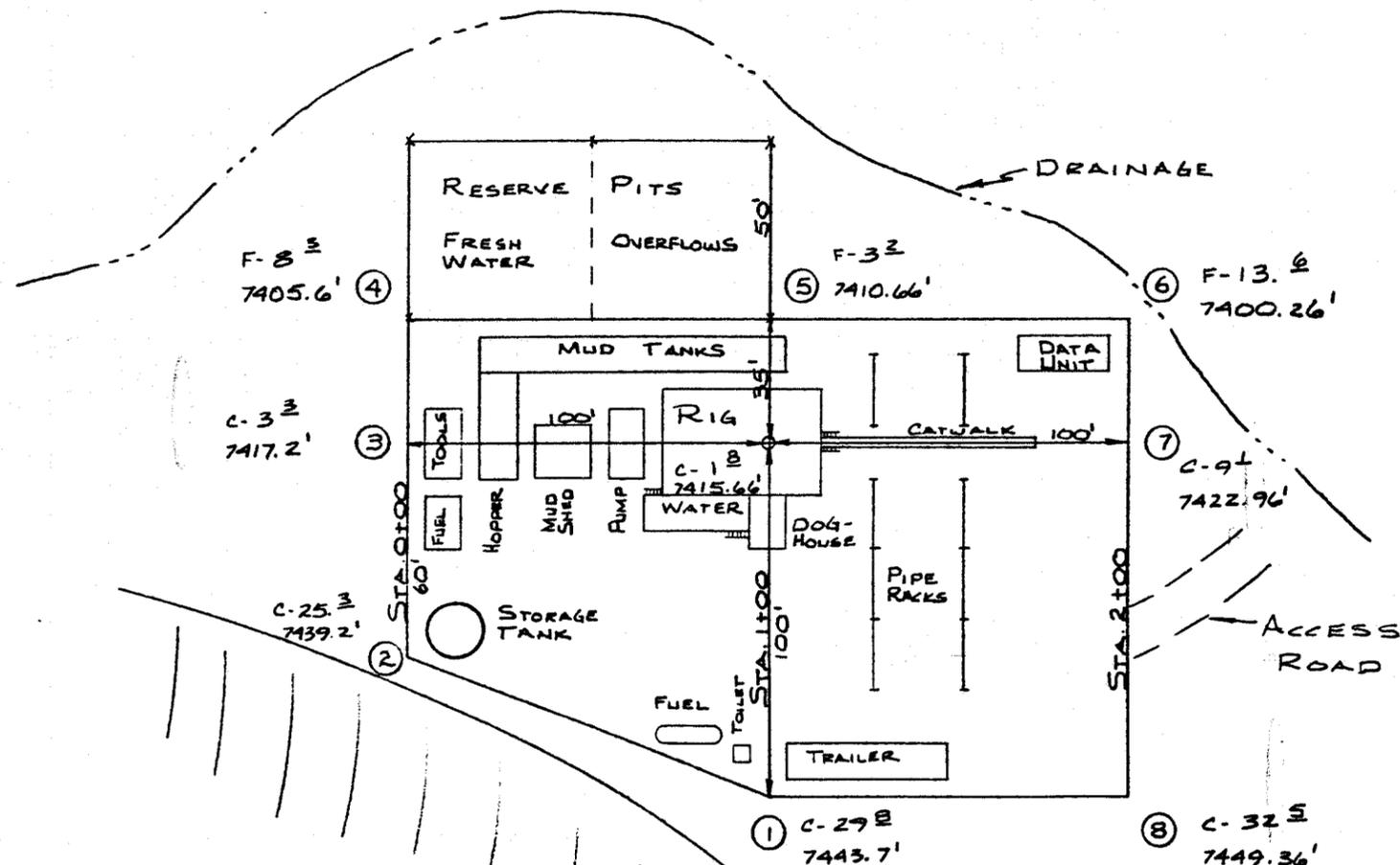
11/25/80  
Date

ORIGINAL SIGNED  
BY: R. J. FIRTH

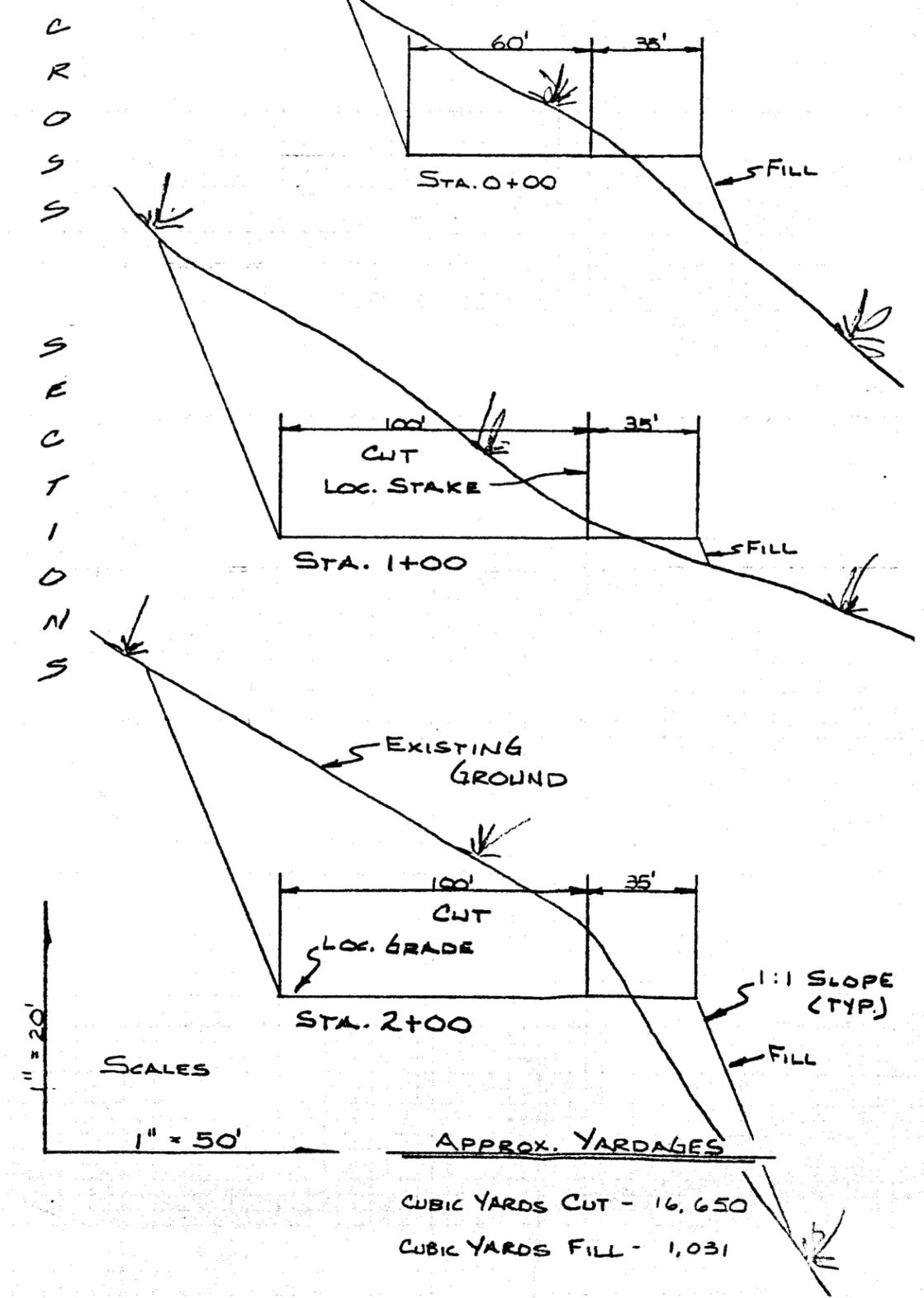
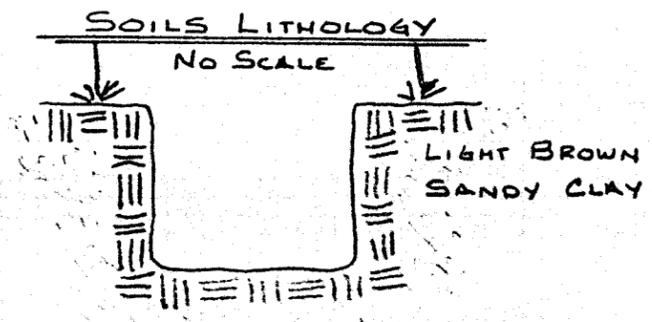
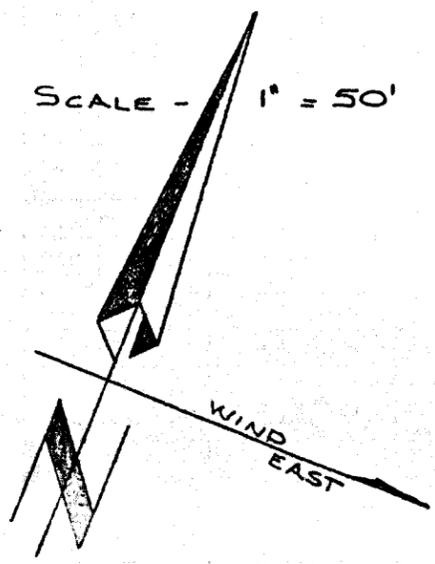
R.J Firth

NATURAL GAS CORP. OF CALIFORNIA

SAN ARROYO RIDGE #43-7



SCALE - 1" = 50'



NATURAL GAS CORP.  
OF CALIF.

SAN ARROYO RIDGE #43-7  
PROPOSED LOCATION

TOPO.

MAP "A"



SCALE - 1" = 4 MI.



UTAH CO  
FRANK CO

PR SPRINGS - 10.8 MILES

OURAY, UTAH - 64.1 MILES

T152S  
T165S

R 24 E  
R 25 E

PROPOSED ACCESS  
ROAD 1.7 MI

CULVERT REQUIRED

PROPOSED LOCATION  
SAN ARROYO RIDGE # 43

NATURAL GAS CORP.  
OF CALIF.

SAN ARROYO RIDGE # 43-7  
PROPOSED LOCATION

TOPO. MAP "B"



SCALE - 1" = 2000'

ROAD CLASSIFICATION

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



QUADRANGLE LOCATION

R 24 E. 12'30" R 25 E. 45'

(BRYSON CANYON)

1457

10' 1

1459

\*\* FILE NOTATIONS \*\*

DATE: Dec 1, 1980

OPERATOR: Natural Gas Coys. of Calif

WELL NO: Prod 43-7

Location: Sec. 7 T. 16S R. 25E County: Maricopa

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30<sup>74</sup>~~79~~

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK as per order issued in Connell 149-1  
This is the unit well for Drilling Unit # 27 Zone II

Administrative Aide: \_\_\_\_\_

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. 149-1 March 14, 1983 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 Prod

Plotted on Map

Approval Letter Written

Hot Line

P.I.

December 2, 1980

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

RE: Well No. Federal #43-7, Sec. 7, T. 16S, R. 25E, Grand County, Utah  
RE: Well No. Federal #21-11, Sec. 11, T. 16S, R. 24E, Grand County, Utah

I Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 149-1 dated March 14, 1973.

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

Michael 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 greatly appreciated.

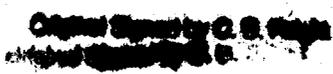
Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractors and rig numbers be identified.

The API numbers assigned to these wells are: Federal #43-7 (43-019-30479) Federal #21-11 (43-019-30490).

This is the unit well for Drilling Unit #27 Zone II. (Fed. #43-7) ✓  
This is the unit well for Drilling Unit #5 Zone II. (Fed. #21-11)

Sincerely,

DIVISION OF OIL, GAS, AND MINING

  
LEON B. FEIGHT  
DIRECTOR

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: 1940' FSL, 549' FEL, Section 7,  
AT TOP PROD. INTERVAL: T26S, R25E  
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) Footage Correction		X

5. LEASE  
U-05010-C

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
43-7

10. FIELD OR WILDCAT NAME  
San Arroyo

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 7, T16S, R25E

12. COUNTY OR PARISH  
Grand

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
7416' 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 original Application for Permit to Drill has an error on Line 4.

The footage should read 1940' FSL and 549' FEL.

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DEC 05 1980

DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Wm Ryan TITLE Petroleum Engineer DATE December 3, 1980  
W. A. Ryan

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; Div. of OG&M; JCBendler; ERHenry; CTClark

June 23, 1988

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

Re: See Attached Sheet

Gentlemen:

In reference to 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 on drilling these locations 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

Sandy Bates,  
Clark-Typist

1. Well No. Federal #1-11  
Sec. 11, T. 16S, R. 24E  
Grand County, Utah
2. Well No. Federal #23-1  
Sec. 1, T. 16S, R. 24E  
Grand County, Utah
3. Well No. Federal #31-1  
Sec. 1, T. 16S, R. 24E  
Grand County, Utah
4. Well No. Federal #41-14  
Sec. 14, T. 16S, R. 25E  
Grand County, Utah
5. Well No. Federal #42-8  
Sec. 8, T. 16S, R. 25E  
Grand County, UTAH
6. Well No. Federal #43-7  
Sec. 7, T. 16S, R. 25E  
Grand County, Utah

Conservation Division  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3854

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NOV 25 1981

November 19, 1981

DIVISION OF  
OIL, GAS & MINING

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

Re: Applications for Permit to Drill  
Well No. 21-7 and 43-7  
Section 7-16S-25E  
Grand County, Utah  
Lease No. U-05616-C

Gentlemen:

The referenced applications for permit to drill were received in this office on November 24, 1980 and December 1, 1980 respectively.

Reviewing the applications disclosed that a Designation of Operator and bonding is still needed from Emerald Oil Company. This office cannot process the applications as they are deficient, and therefore, is returning your applications unapproved.

This office will commence processing the applications upon receipt of new complete packages.

If you have any questions, please feel free to call.

Sincerely,

E. W. Gwynn  
District Oil and Gas Supervisor

EW/dw

cc: Well File  
APD Control  
SWA  
ES  
Asst. O&G