

NATURAL GAS CORPORATION  
OF CALIFORNIA

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

December 8, 1982

Mr. E. W. Gynn  
Minerals Management Service  
1745 West 1700 South, Suite 2000  
Salt Lake City, UT 84104

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

Re: ✓ WGC #13-11 Federal  
NW $\frac{1}{4}$  SW $\frac{1}{4}$  Sec. 11, T.7S., R.22E.  
Uintah County, UT

Gentlemen:

Natural Gas Corporation of California proposes to drill the subject well.  
Enclosed are the following documents:

- 1) Application for Permit to Drill
- 2) Surveyor's Plat
- 3) Ten Point Plan
- 4) 13 Point Surface Use Plan

Your early consideration and approval of this application would be appreciated. Please contact this office if you have any questions concerning this application.

Sincerely,



Rick Canterbury  
Associate Engineer

/kh

Encls.

cc: Operations  
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  
 595' FSL and 1910' FSL (NW $\frac{1}{4}$  SW $\frac{1}{4}$ ) of Section 11, T.7S., R.22E.  
 At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.  
 U-22535

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Federal

9. WELL NO.  
 NGC #13-11 North Red Wash

10. FIELD AND POOL, OR WILDCAT  
~~Red Wash~~ UNDESIGNATED

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 11, T.7S., R.22E.

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 Approximately 18 miles southeast of Vernal, UT

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 595'

16. NO. OF ACRES IN LEASE  
 760

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.  
 6500'

19. PROPOSED DEPTH  
 6500'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5274' Un. Gr.

22. APPROX. DATE WORK WILL START\*  
 Unknown at this time.

WR-5974

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#, K-55	300'	To surface
7-7/8"	5-1/2"	17#, N-80	T.D.	As required to protect oil shale and producing formations.

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: 12-21-82  
 BY: *[Signature]*

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 12/9/82  
 (This space for Federal or State office use)

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

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

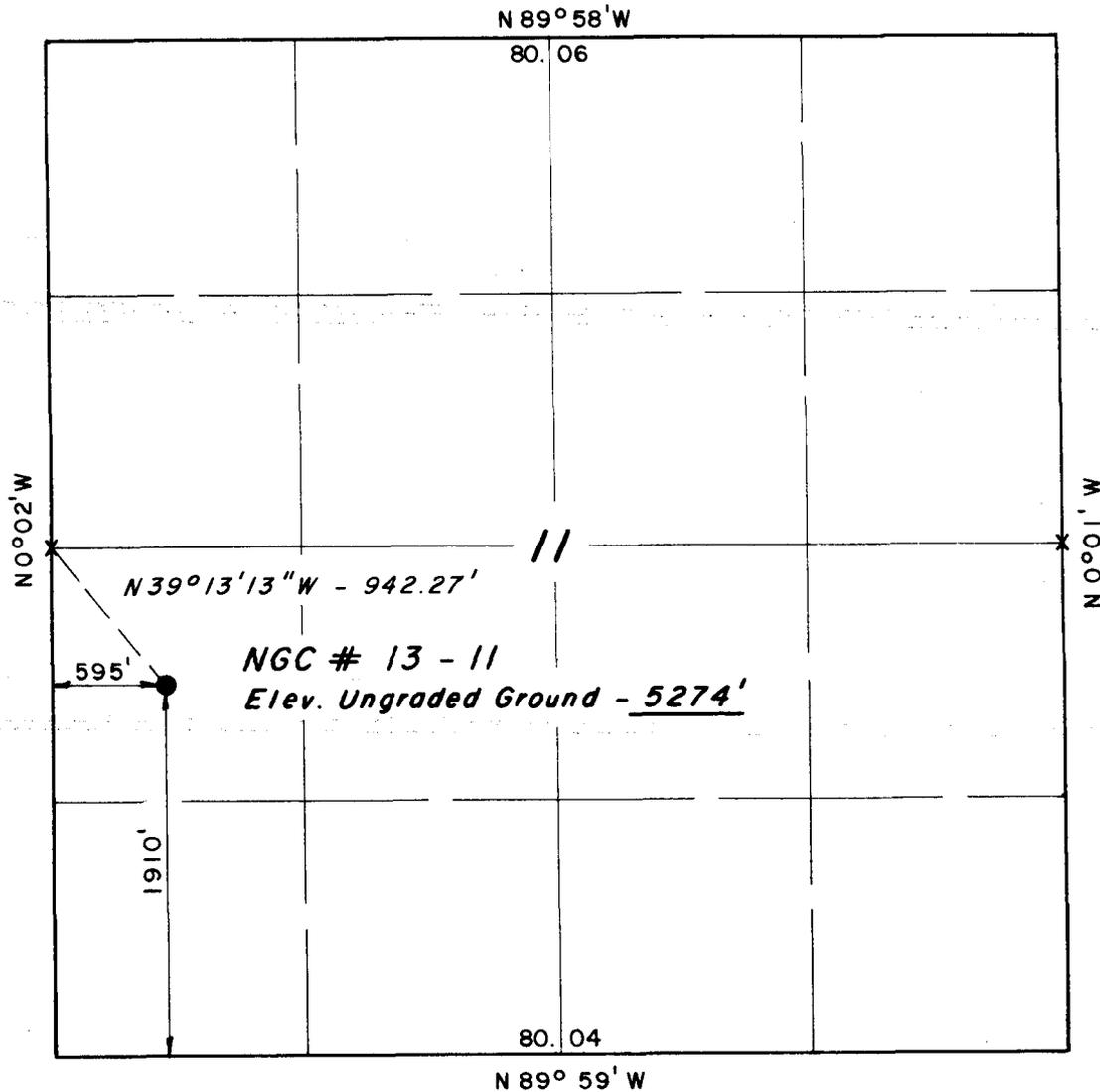
CONDITIONS OF APPROVAL, IF ANY:

cc: MMS; Div. OG&M; Operations: CTClark; ERHenry

T 7 S , R 2 2 E , S . L . B . & M .

PROJECT  
NATURAL GAS CORP. OF CALIFORNIA

Well location, *NGC # 13-11*, located as shown in the NW 1/4 SW 1/4 Section 11, T 7 S , R 2 2 E , S . L . B . & M . Uintah County, Utah.



X = Section Corners Located



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 P. Kay*  
 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	9/20/82
PARTY	RK JF RP	REFERENCES	GLO PLAT
WEATHER	Fair	FILE	NATURAL GAS

Ten Point Plan  
 NGC Well #13-11 South Red Wash  
 NW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 11, T.7S., R.22E.

1. Surface Formation: Uintah

2. Estimated Formation Tops and Datum:

<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
Uintah	Surface	5294' KB
Green River	3228'	2066'
H Marker	5270'	24'
K Marker	5930'	- 636'
Wasatch	6460'	-1166'
T.D.	6500'	

3. Producing Formation Depth: Green River and Wasatch formations.

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	300	New
7-7/8	5-1/2	17	T.D.	New

5. BOP and Pressure Containment Data: A 3000 WP BOP system as described in the BOP and Pressure Containment Data (attached) will be installed and maintained from 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>
0-3900'	8.3 - 8.4	-----	No Control	Water
3900'-TD	8.8 - 9.2	35	10cc/less	L.S.N.D.

7. Auxiliary Equipment: Upper Kelly cock, full opening stabbing valve, 2 $\frac{1}{2}$ " choke manifold and pit level indicator.

8. Testing, Coring, Sampling and Logging:

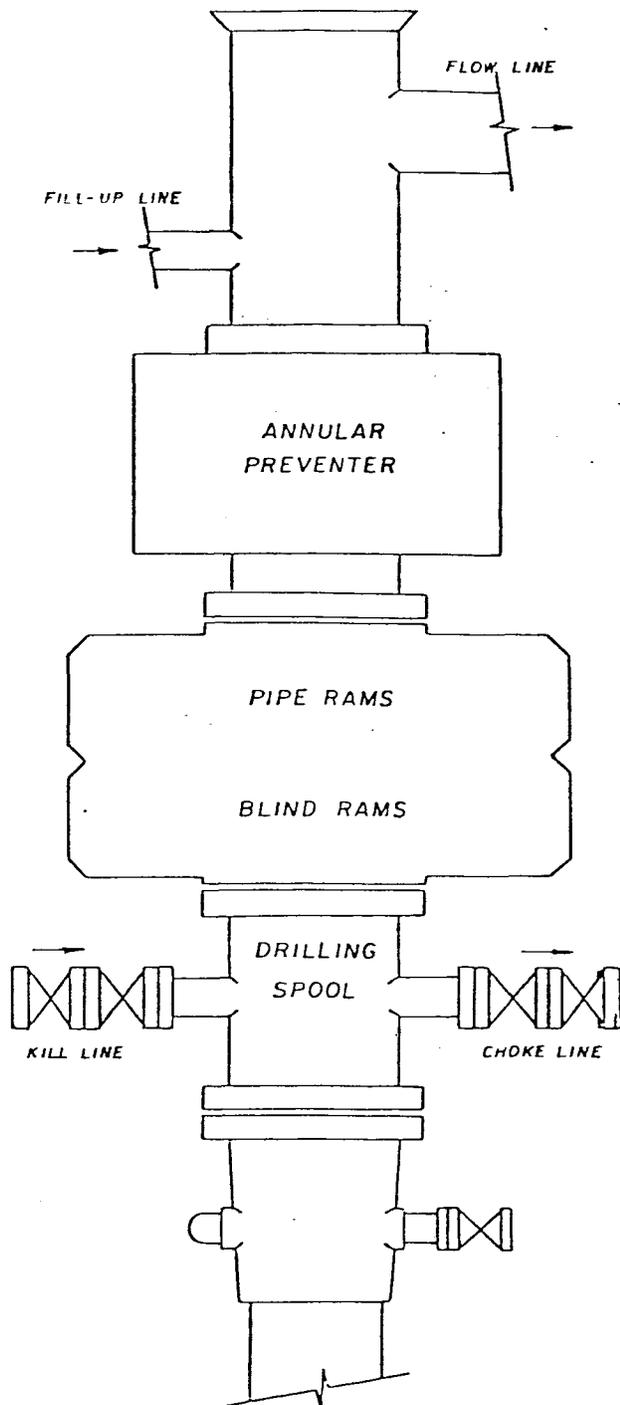
- a. Testing: DST's will be at the discretion of the well site geologist.
- b. Coring: Possible side wall core.
- c. Sampling: Samples will be taken at 30' intervals from 0-5000', 10' intervals from 5000' to T.D.

d. Logging:	<u>Type</u>	<u>Depth</u>
	FDC/CNL	2500' - T.D.
	DIL or DLL	Surface to T.D.
	Sonic F Log	2500' - T.D.

9. Abnormalities (including sour gas): High pressure gas is anticipated between 2500' to 3000'.

10. Drilling Schedule: Anticipated starting date is unknown at this time with duration of operations expected to last about 30 days.

NATURAL GAS CORPORATION  
OF  
CALIFORNIA  
BOP AND PRESSURE CONTAINMENT DATA  
NGC #13-11 North Red Wash  
Section 11, T.7S., R.22E.



1. BOP equip shall consist of a double gate, hydraulically operated preventer with pipe & blind rams or two single ram type preventers, one equipped w/pipe rams, the other w/blind rams.
2. BOP's are to be well braced w/ hand controls extended clear of substructure.
3. Accumulator to provide closing pressure in excess of that required w/sufficient volume to operate all components.
4. Auxiliary equipment: Lower kelly cock, full opening stabbing valve, 2½" choke manifold, pit level indicator &/or flow sensors w/alarms.
5. All BOP equipment, auxiliary equipment stand pipe & valves & rotary hose to be tested to the rated pressure of the BOP's at time of installation & every 30 days thereafter. BOP's to be mechanically checked daily.
6. Modification of hook-up or testing procedure must be approved in writing on tour reports by wellsite representative.

## 13 Point Surface Use Plan

### 1. EXISTING ROADS

See attached topographic map A.

Proceed south from Vernal, Utah on U.S. Highway 40 for approximately 2 miles. Then proceed south on 1500 East (new Bonanza Power Plant Road). Follow this road for approximately 14.7 miles. The proposed access road will start at this point.

### 2. PLANNED ACCESS ROAD

See attached topographic map B.

Approximately .5 mile of new road will be required. About .4 mile of the new road will be off-lease and require a right-of-way. An application has been filed.

The access road will be constructed to the following standards:

- 1) Width - The running surface will be 18 feet and the total disturbance width including the ditches will not exceed 30 feet.
- 2) Maximum grade - 3%.
- 3) Turnouts - None.
- 4) Drainage designs - Ditches will be constructed on each side of the road, V-shaped, 1 foot deep at 3:1 slopes.
- 5) Location and size of culverts, major cuts and fills - No culverts are planned for the road and no major cuts or fills will be required.
- 6) Surfacing materials - None.
- 7) Gates, cattleguards, or fence cuts - None.
- 8) The proposed road has been flagged.

### 3. LOCATION OF EXISTING WELLS

The following wells are located within a one mile radius of the location site.

- 1) Water wells - None.
- 2) Abandoned wells - None.
- 3) Temporarily abandoned wells - None.
- 4) Disposal wells - None.
- 5) Drilling wells - None.
- 6) Producing wells - None.
- 7) Shut-in Wells - None.
- 8) Injection wells - None.
- 9) Monitoring or observation wells for other resources - None.

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. (1) Tank batteries - A tank battery will be built on the location.  
(2) Production facilities - None.  
(3) Oil gathering lines - No lines will be constructed as the oil will be hauled by trucks.  
(4) Gas gathering lines - None.
- B. (1) In the event production is established, all petroleum production facilities are to be contained within the proposed location site. In the event that production of oil from this well is established, a berm will be constructed around the tank battery large enough to contain the contents of tanks.  
(2) Construction methods and materials - Production facilities will be placed on the proposed pad. Construction materials will come from the unused portion of the pad.  
(3) Livestock and wildlife protection - The evaporation pond will be fenced on all four sides and overhead wire with flagging installed, if there is oil in the pit.
- C. The rehabilitation of disturbed areas no longer required for the production of this well will be completed by backfilling, recontouring, topsoiling and seeding.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

See attached topographic map A. Water will be hauled by truck over existing roads from the Green River. Water will be diverted from the Green River in Section 7, T.6S., R.22E.

#### 6. SOURCE OF CONSTRUCTION METHODS

All construction materials for this location site and access road will be borrow materials, accumulated during construction of the location site. 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

- 1) Cuttings, drilling fluids and produced fluids - A reserve pit will be constructed. The reserve pit will be approximately 10' deep and at least one-half of this depth shall be below the surface of the existing ground.

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

Prior to the onset of drilling, a "stock tight" fence shall be installed on three sides of the reserve pit. This fence will be either (1) woven wire at least 28 inches high and within four inches of ground surface with two strands of barbed wire above the woven wire with 10-inch spacing, or (2) at least five strands of barbed wire spaced, starting from the ground, at approximately 6-, 8-, 10-, 12-, and 12-inch intervals. At the completion of drilling operations, the fourth side of the reserve pit will be fenced and allowed to dry completely before the pit is backfilled. If there is oil on the pits, overhead wire and flagging will be installed on the pits.

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

- 2) Sewage - A portable chemical toilet will be supplied for human waste.
- 3) Garbage - Trash cages will be on all locations and all trash will be removed to an authorized landfill.
- 4) Site Clean-up - Immediately after the rig is moved out, the area around the well site will be cleaned and all refuse placed in a trash cage.

#### 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 typical rig layout.

#### 10. PLANS FOR RESTORATION OF THE SURFACE

Prior to construction of the location, the top six inches of soil material will be stripped and stockpiled. This will amount to approximately 1500 cubic yards of material that will be stockpiled.

If the well is producing, the platform and pit areas no longer required for the production of the well will be backfilled, recontoured, topsoiled and seeded.

If the well is abandoned, the entire disturbed area (including roads) will be restored by: (1) backfilling; (2) recontouring; (3) topsoiling; (4) seeding. Specifically: the platform highwall(s) and road fill(s) will be eliminated by moving all excavated material back in place. Restoration of the location and access road will begin within 90 days after completion of the well. The BLM representative will be notified prior to starting the rehabilitation operations.

The following seed mixture and methods for seeding will be used: The seed mixture will be determined by the Bureau of Land Management at the time of abandonment.

Seed will be planted after September 1 and prior to ground frost; or seed will be planted after the frost has left and before May 15. All seed will be drilled on the contour at a depth of  $\frac{1}{4}$  to  $\frac{1}{2}$  inch. Slopes too steep or rocky for machinery will be broadcast and the seed hand raked into the soil. When broadcasting the seed, the rate per acre will be doubled.

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

- 1) All traffic will be restricted to existing road right-of-ways.
- 2) The dirt contractor will be furnished a copy of the approved APD and Surface Use Plan prior to beginning any work on public land.
- 3) All permanent (on-site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within six months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.
- 4) Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development".

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Natural Gas Corporation of California  
85 South 200 East  
Vernal, UT 84078  
Attn: Bill Ryan or Rick Canterbury  
Telephone: (801) 789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Natural Gas Corporation of California and its contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

December 9, 1982  
Date

*Rick Canterbury*  
Rick Canterbury, Associate Engineer

Lomax Exploration Company  
Well No. 12-11  
Section 11-T7S-R22E  
Uintah County, Utah  
Lease No. U-22535

Supplemental Stipulations:

1. Traveling off the access road right-of-way will not be allowed. The maximum width of access roads, both existing and planned, will be 30 feet total disturbed area. Turn-outs will not be required. Bar ditches will be installed where necessary. Roads will be crowned and properly maintained.
2. The top 6 inches of topsoil will be stockpiled near reference corner #3.
3. Burn pits will not be constructed. There will be no burning or burying of garbage or trash at the well site. No trash will be thrown in the reserve pit. Refuse will be contained in trash cages and hauled to an approved disposal site.
4. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pit.
5. The access road location was changed so that there will be only 1 exit point from the county road; then approximately .1 mile of the road will be split so that both locations can be reached.
6. All permanent structures, onsite for 6 months duration or longer, constructed or installed, including the pumpjack and covering over the tank insulation, will be painted a flat, non-reflective earth tone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities will be painted within 6 months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. standards are excluded. The choice of color may vary depending on the location.
7. The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding requirements.
8. Adequate and sufficient electric/radioactive logs will be run to locate and identify the prime oil shale horizons in the Mahogany zone of the Green River formation. Casing and cementing programs will be adjusted to eliminate any potential influence of the well bore or productive hydrocarbon zones on the oil shale resource. Surface casing program may require adjustment for protection of fresh water aquifers. See attached tentative casing and cementing program for the Uinta Basin.



# United States Department of the Interior

Minerals Management Service  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104

February 2, 1981

## General Outline for the Protection and Isolation of Ground Water and Oil Shale in the Uinta Basin.

The oil shale occurs with varying thicknesses in most parts of the Uinta Basin and at varying depths. Ground water also occurs at varied depths above and below the Oil Shale. These ground waters have varying degrees of salinity. Nonetheless, drilling for hydrocarbon in the Uinta Basin should provide for the protection of the oil shale and the ground water if either is present.

The protection of the oil shale and the ground water can effectively be carried on through the design of an adequate casing and cementing program for each well drilled in the area.

In the Uinta Basin, water occurs mainly in the Uinta and the Green River formations. As drilling for hydrocarbon gets deeper into the crust of the earth, more ground water might be encountered and will be protected as it is encountered.

This notice's purpose is to attempt to lay the groundwork for a casing program and cementing program that will protect the oil shale and the ground water if present.

These programs are to be considered as guidelines. The specificity of casing depth, amount of cement and the depth of staging collars will be considered on an individual basis after a careful study of the logs of each individual well. Cementing from the bottom up is an economical solution if carefully conducted.

The casing and cementing program presented here as an example, will assume that fresh water was encountered in the upper parts of the Green River, that the oil shale occurs in the middle of the Green River (1000 foot section) and that some ground water is encountered in the lower parts of the Green River.

In this case, three areas will have to be cemented to assure the integrity of the ground water and oil shale: These areas are above the upper fresh water, across the oil shale and below the lower water aquifer. Deep aquifers that do not contain useful water are cemented to prevent water zone influence on production.

The following casing and cementing program will be appropriate for this example:

- A. Surface casing is set at approximately 300 feet and cemented to the surface.

- B. The next casing string will be set at approximately 300 feet below the lowest aquifer. Cementing will be done in three stages, using two stage collars and cement baskets or equivalent as described below and on attached sketches:
1. Cement first stage through the casing shoe to fill annulus back to base of lower aquifer.
  2. Place 1st stage collar (with cement basket immediately below) at a selected point at the base of the oil shale. Cement will have to reach top of oil shale.
  3. Place 2nd stage collar (with cement basket immediately below) 50 feet above the top of the Bird's Nest aquifer and cement to at least 300 feet above the stage collar.
- C. The above is an example. Reasonable equivalents that accomplish these same protective measures; (such as cementing the water zones instead of isolating them), depending on the individual cases will be considered for approval.
- D. When the above mentioned well is to be abandoned, inner-casing plugs will have to be placed at the same depth as the above mentioned annulus cement jobs.

The use of cement bond logs will verify the authenticity of the cement job performed.

- E. The Operator of such well should notify U.S.G.S. 48 hours prior to commencement of casing and cementing activity, so a technician could be dispatched to witness the operations to verify compliance with casing and cementing program.

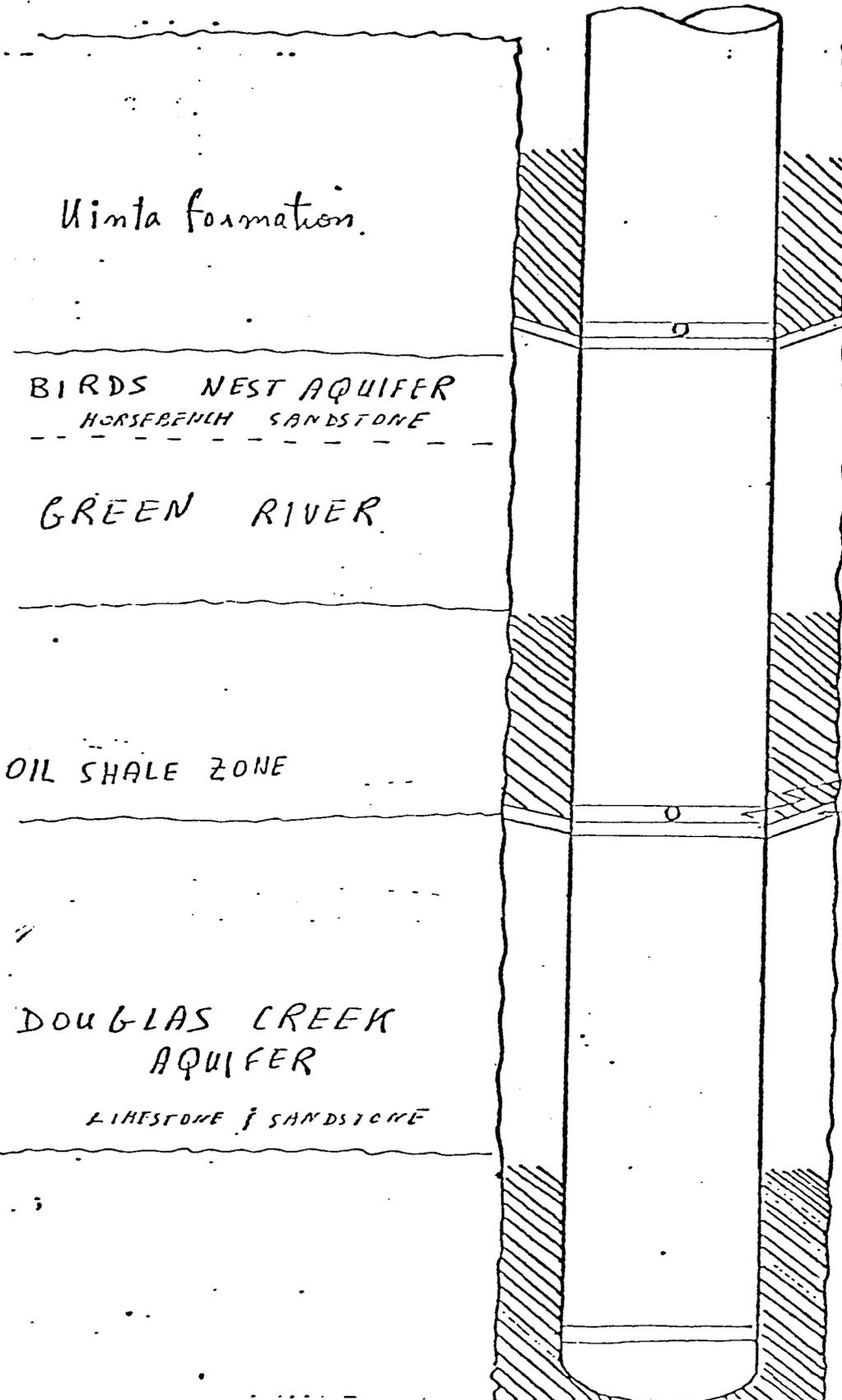
Attached Sketches:

1. Schematic of the required casing and cementing program.
2. Cross section of the Uinta Basin.
3. Schematic of the general ground water protection program.

E. W. Gynn  
District Oil and Gas Supervisor

AMR/kr

PARTIAL CASING & CEMENTING PROGRAM FOR WELL  
 NATURAL BUTTES FIELD. HINTAH COUNTY, UTAH



NO SCALE

CEMENT BASKET IS PLACED  
 50' ABOVE TOP AQUIFER  
 CEMENT TO RISE  
 AT LEAST 300' IN ANNUAL

STAGE CELLAR  
 CEMENT BASKET

CEMENT BASKET IS SET  
 CONSOLIDATED SECTION AT THE  
 BASE OF THE OIL SHALE ZONE  
 CEMENT TO REACH THE TOP  
 OF THE MAHOGANY ZONE

CEMENT WILL REACH BASE  
 OF LOWER AQUIFER

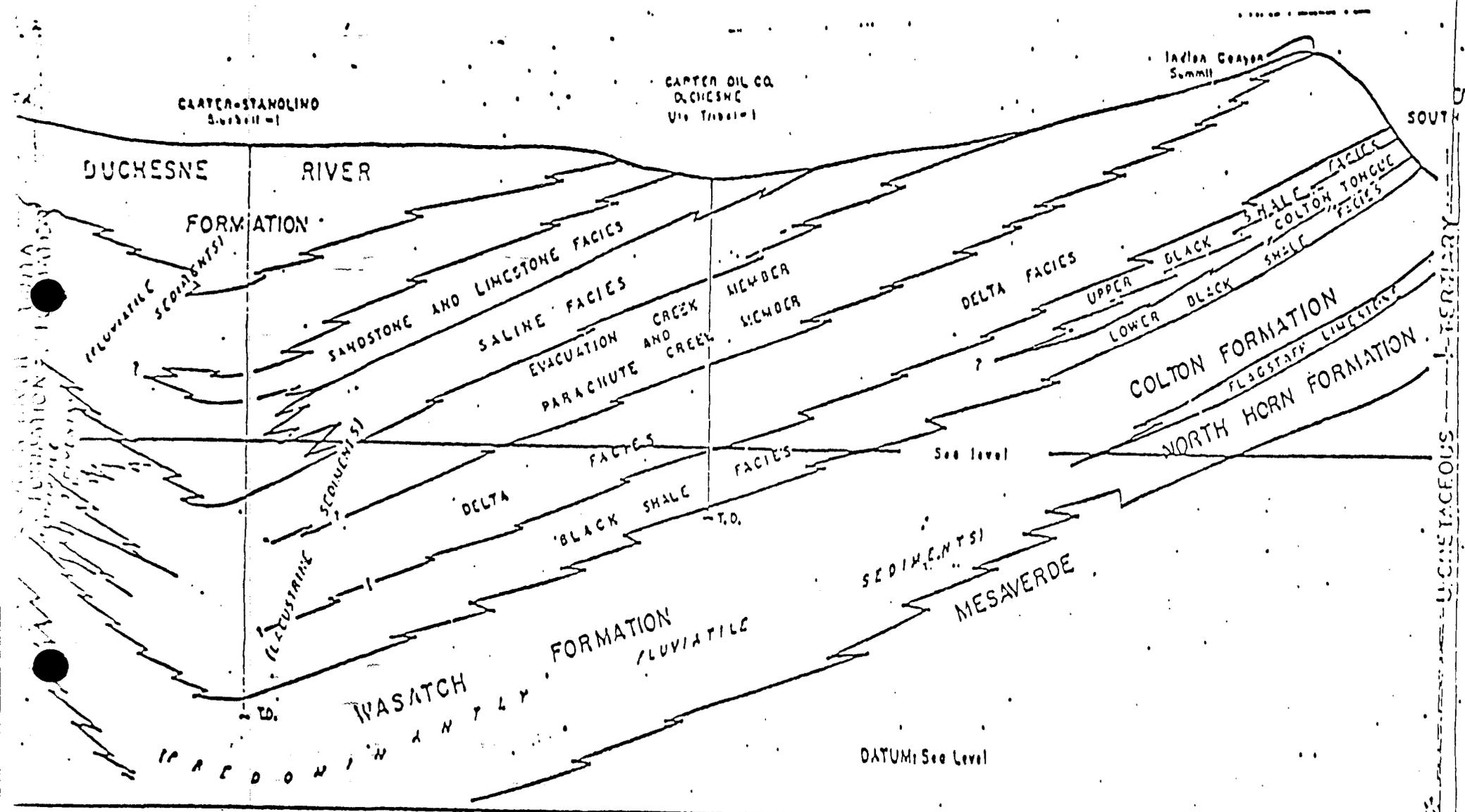


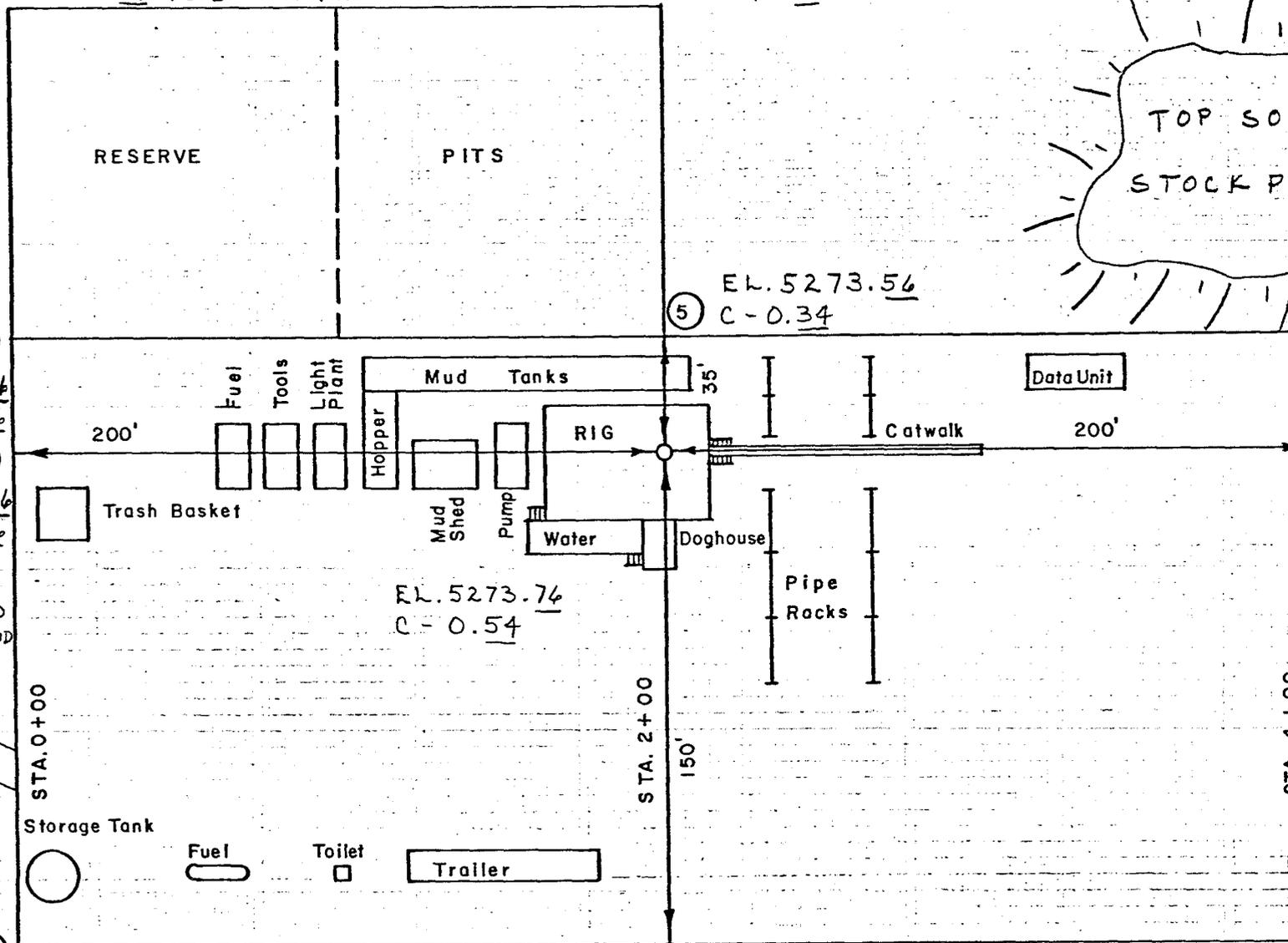
Figure 5.- View east of cross section of Uinta Basin showing stratigraphy and intercongruing of Tertiary rocks. Ute Tribal-1 (in section) is located about 3 miles southeast of the application area.

# NATURAL GAS

NGC # 13

(A) EL. 5273.06  
C - 8.06 To Bottom Pit

(B) EL. 5275.36  
C - 10.36 To Bottom Pit



PROPOSED ACCESS ROAD

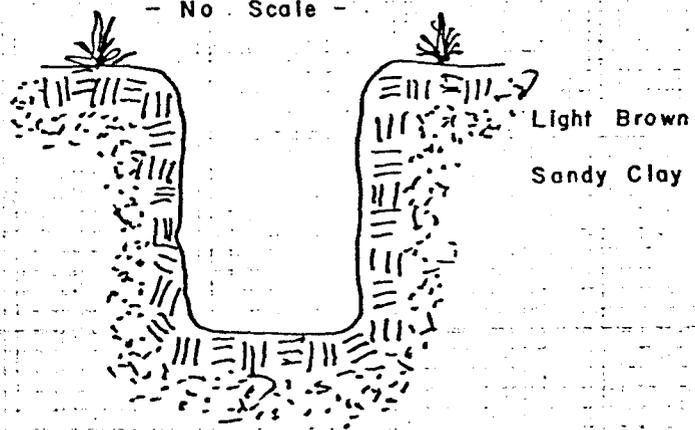
Data Unit

TOP SO STOCK P

Storage Tank

SOILS LITHOLOGY

- No. Scale -



SCALE 1" = 50'

# CORP. OF CALIF.

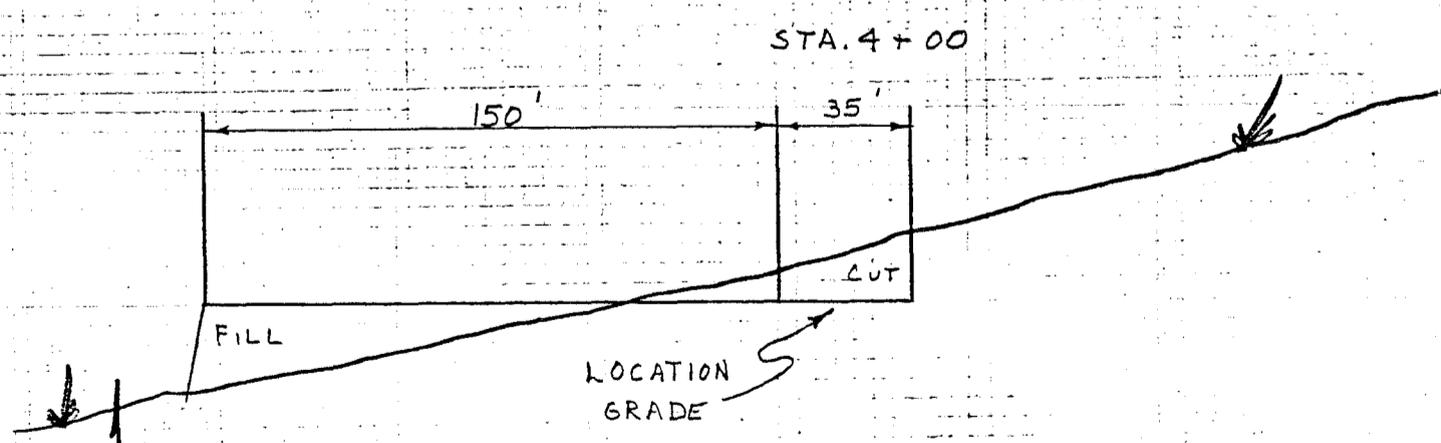
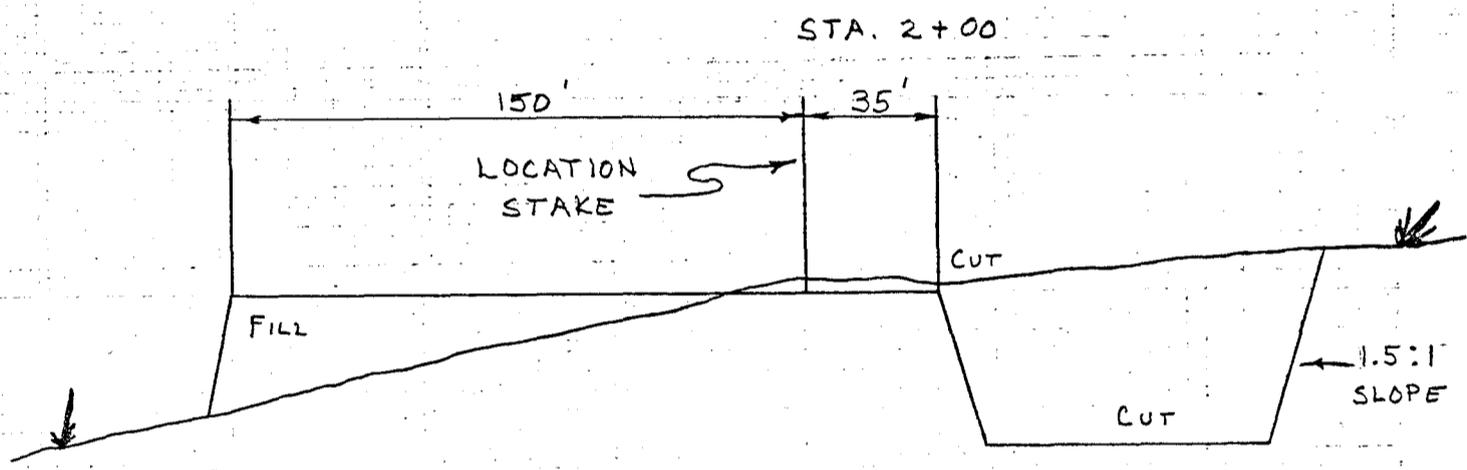
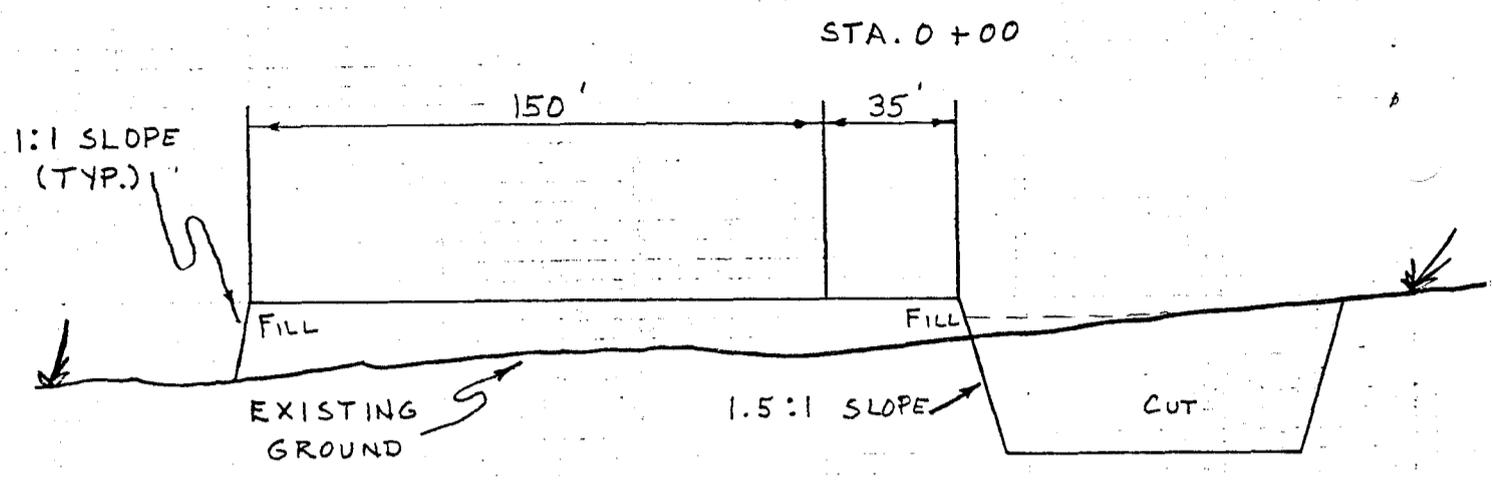
11

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⑥ EL. 5276.66  
 C-3.44

⑦ EL. 5274.76  
 E C-1.54

⑧ EL. 5268.76  
 F-4.46



1" = 10'  
 SCALES  
 1" = 50'

APPROXIMATE YARDAGES

Cubic Yards Cut - 9,099

Cubic Yards Fill - 6,429

# NATURAL GAS CORP. OF CALIF.

N.G.C. #13 - 11

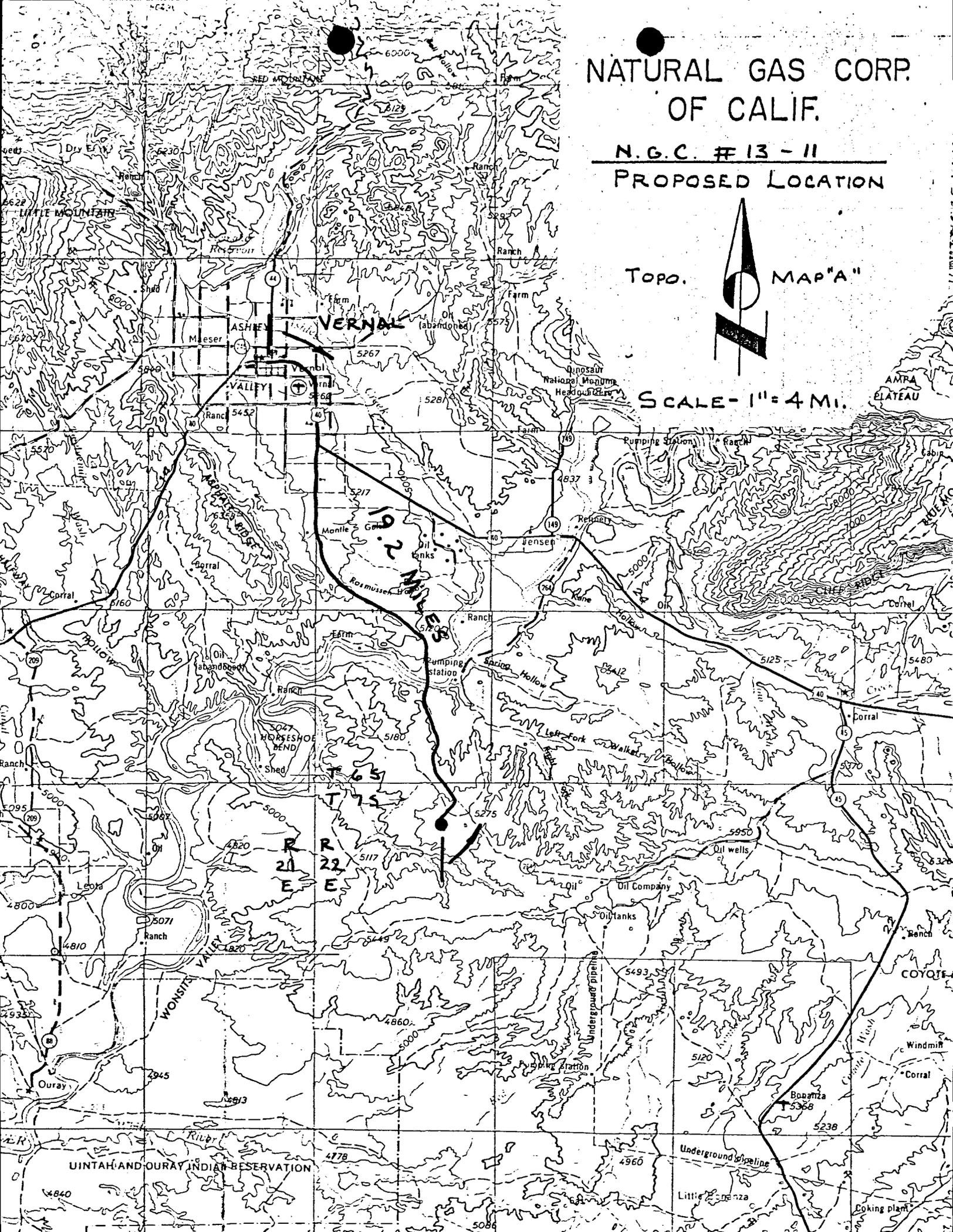
PROPOSED LOCATION

TOPO.

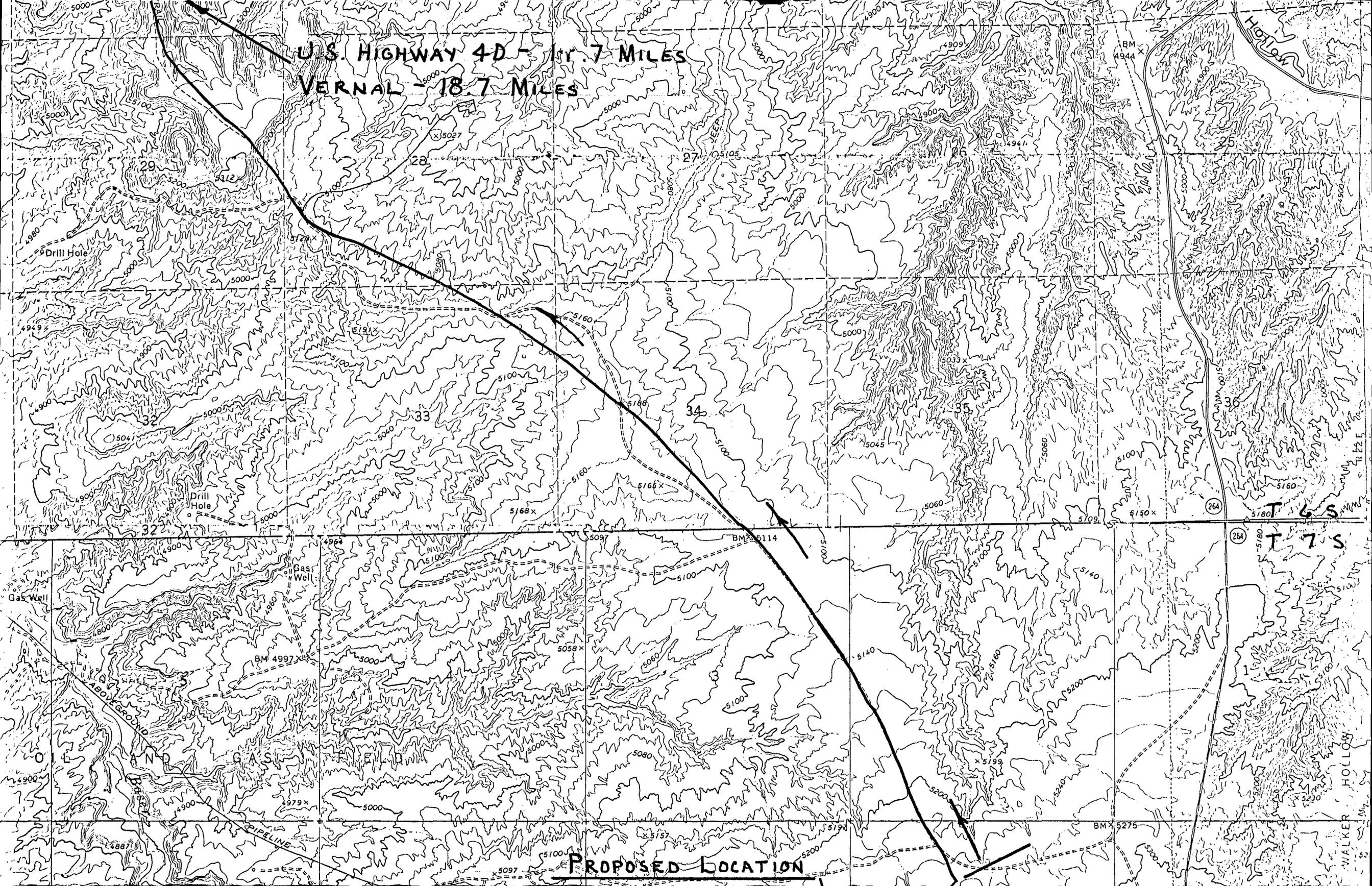
MAP "A"



SCALE - 1" = 4 MI.



U.S. HIGHWAY 4D - 17.7 MILES  
VERNAL - 18.7 MILES



PROPOSED LOCATION

NGC # 13-11

NATURAL GAS CORP.  
OF CALIF.  
N.G.C. # 13-11  
PROPOSED LOCATION

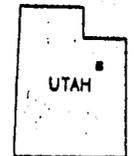
TOPO. MAP "B"



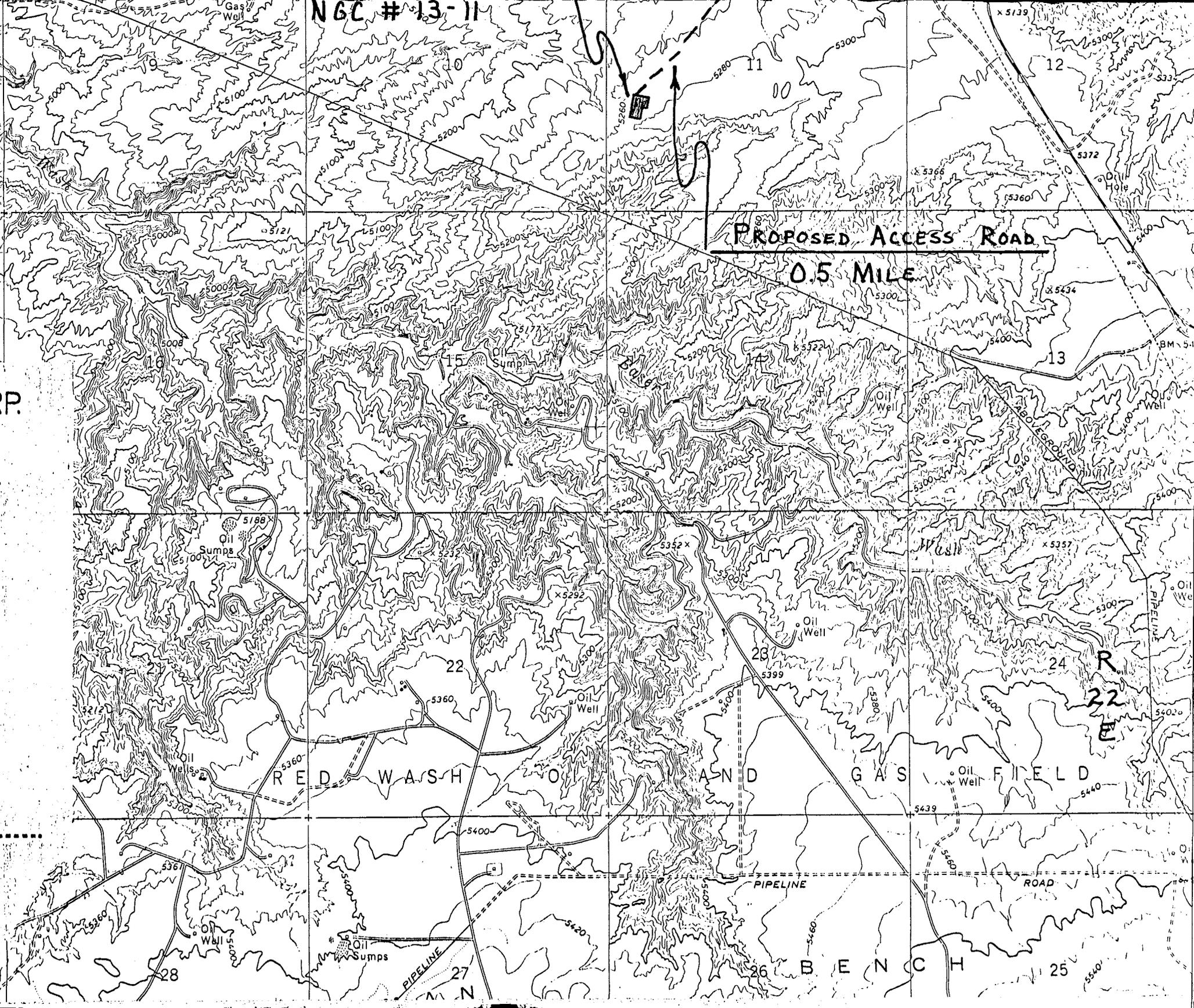
SCALE - 1" = 2000'

ROAD CLASSIFICATION

Light-duty ..... Unimproved dirt .....



QUADRANGLE LOCATION



OPERATOR NATURAL GAS CORP OF CAL

DATE 12-21-82

WELL NAME NGC FED 13-11

SEC NWSW 11 T 7S R 22E COUNTY UNITAH

43-047-31300  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input type="checkbox"/>	HL	<input checked="" type="checkbox"/>
<input type="checkbox"/>	NID	<input checked="" type="checkbox"/>	PI	<input type="checkbox"/>
<input checked="" type="checkbox"/>	MAP	<input checked="" type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:

NO WELLS WITHIN 1000'

*RJK* ✓

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT  c-3-a \_\_\_\_\_ CAUSE NO. & DATE

c-3-b  c-3-c

SPECIAL LANGUAGE:

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RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FL-70*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER *NO*

UNIT *NO*

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

December 21, 1982

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

RE: NGC Fed. 13-11  
NWSW Sec. 11, T.7S, R.22E  
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3(b), 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:

RONALD J. FIRTH - Engineer  
Office: 533-5771  
Home: 571-6068

OR

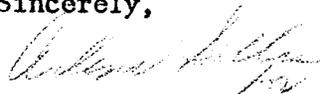
CLEON B. FEIGHT - Director  
Office: 533-5771  
Home: 466-4455

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 43-047-31300.

Sincerely,

  
Norman C. Stout  
Administrative Assistant

NCS/as  
cc: MMS  
Enclosure

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  
 Lomax Exploration Company

3. ADDRESS OF OPERATOR  
 P.O. Box 4503, Houston, TX 77210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 595' FWL & 1910' FSL NW/SW  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 18 miles Southeast of Vernal, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 595  
 16. NO. OF ACRES IN LEASE 760

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 4191'  
 19. PROPOSED DEPTH 6200'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5274' GR

5. LEASE DESIGNATION AND SERIAL NO.  
 U-22535

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 R.W. Federal

9. WELL NO.  
 12-11 (NGC #13-11)

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH 13. STATE  
 Uintah Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 March 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24	300	To Surface
7 7/8	5 1/2	17	TD	As Required

*Change Operator*  
*Change Well Name*  
*Change Casing program*  
*Change TD*  
*Change drilling program (BOP)*

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 *G. L. Pruitt* G. L. Pruitt TITLE V.P. Drilling & Production DATE 3/10/83

(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE  
 OF UTAH DIVISION OF  
 OIL, GAS, AND MINING  
 DATE: 3-15-83  
 BY: *Thomas Stout*

TEN POINT WELL PROGRAM

Lomax Exploration Company  
R.W. Federal #12-11 (NGC #13-11)  
NW/SW Section 11, T7S, R22E  
Uintah County, Utah

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0-3228'
Green River	3228'
Wasatch	6460'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation

4. PROPOSED CASING PROGRAM:

8 5/8", J-55, 24#; set at 300'  
5 1/2", J-55, 17#, STC; set at TD  
All casing will be new

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 10" Series 900 Hydril Bag type BOP and a 10" Double Ram Hydraulic unit with a closing unit will be utilized. Pressure tests of BOP's to 1000# will be made prior to drilling surface plug and operation will be checked daily. (See exhibit A)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the hole be drilled with fresh water to the "J" zone and with mud thereafter. The mud system will be a water based gel-chemical, weighted to 10.0 ppg as necessary for gas control.

Lomax Exploration Company  
R.W. Federal #12-11 (W.S. #13-11)  
NW/SW Section 11, T7S, R22E  
Uintah County, Utah

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. TESTING, LOGGING AND CORING PROGRAMS:

No coring or drill stem testing has been scheduled for this well. The logging will consist of a Dual Induction Laterolog and a Compensated Neutron-Formation Density.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

High pressure gas is anticipated between 2500' and 3000'.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

It is anticipated that operations will commence approximately March, 1983.

Lomax Exploration Company

13 Point Surface Use Plan

For

Well Location

R.W. Federal #12-11 (NGC #13-11)

Located In

Section 11, T7S, R22E

Uintah County, Utah

Seed will be planted after September 1 and prior to ground frost; or seed will be planted after the frost has left and before May 15. All seed will be drilled on the contour at a depth of  $\frac{1}{4}$  to  $\frac{1}{2}$  inch. Slopes too steep or rocky for machinery will be broadcast and the seed hand raked into the soil. When broadcasting the seed, the rate per acre will be doubled.

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

- 1) All traffic will be restricted to existing road right-of-ways.
- 2) The dirt contractor will be furnished a copy of the approved APD and Surface Use Plan prior to beginning any work on public land.
- 3) All permanent (on-site for six (6) months duration or longer) structures constructed or installed, including the pumpjack, shall be painted a flat, non-reflective, earthtone color to match Tnemec 23-08351 Mesa Brown Enduratone or an approved equal. All facilities shall be painted within six months of when the production facilities are put in place. Facilities that are required to comply with O.S.H.A. (Occupational Safety and Health Act) are excluded.
- 4) Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes shall be in accordance with the surface use standards as set forth in the booklet, "Surface Operating Standards for Oil and Gas Exploration and Development".

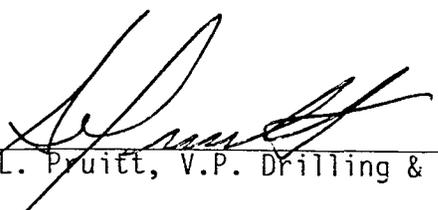
12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

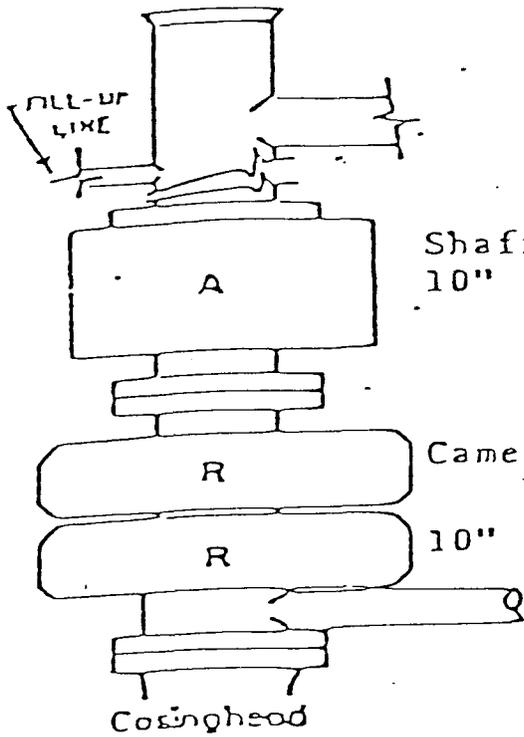
Lomax Exploration Company  
333 N. Belt East, Suite 880  
Houston, Texas 77060  
Attn: Mr. G. L. Pruitt  
Telephone: (713) 931-9276

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Lomax Exploration Company and its contractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

3/10/83  
Date

  
G. L. Pruitt, V.P. Drilling & Production

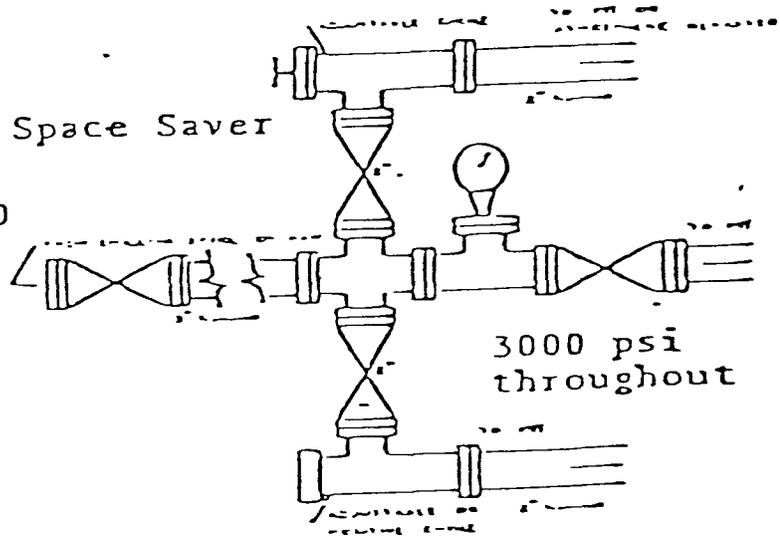


Shaffer Spherical  
10" 900

Cameron Space Saver

10" 900

Casinghead



3000 psi  
throughout

RECEIVED  
MAR 11 1983

March 10, 1983

DIVISION OF  
OIL, GAS & MINING

Minerals Management Service  
1745 West 1700 South  
Room 2000  
Salt Lake City, Utah 84104

R.W. Federal #16-11 (NGC #44-11)  
SE/SE Section 11, T7S, R22E  
Uintah County, Utah

R.W. Federal #12-11 (NGC #13-11)  
NW/SW Section 11, T7S, R22E  
Uintah County, Utah

Gentlemen:

Lomax Exploration Company has taken over as operator from Natural Gas Corporation of California for the subject wells. Enclosed are Designation of Operator forms from NGC and Chorney Oil Company.

I have enclosed copies of the changes that will affect the original applications that were submitted by NGC. Please note that we have changed the well names.

If you have any questions concerning these applications, please call.

Very truly yours,

*Michele Tisdel*

Michele Tisdel  
Sec. Drilling & Production

MT  
Enclosures

✓ cc: State of Utah  
Division of Oil and Gas

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Lomax Exploration

WELL NAME: RW Federal 12-11

SECTION NWSW 11 TOWNSHIP 7S RANGE 22E COUNTY Uintah

DRILLING CONTRACTOR \_\_\_\_\_

RIG # \_\_\_\_\_

SPUDED: DATE 3-31-83

TIME 9:45 PM

How Dry Hole Spud

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Michelle

TELEPHONE # 713-931-9276

DATE 4-6-83 SIGNED AS

NOTICE OF SPUD

Company: Lomas Exploration

Caller: Michelle

Phone: \_\_\_\_\_

Well Number: 12-11 (~~12-11-1374~~)

Location: NW SW Sec 11- 15-22E

County: Uintah State: Utah

Lease Number: 11-22535

Lease Expiration Date: to attend lease separation

Unit Name (If Applicable): \_\_\_\_\_

Date & Time Spudded: 9:45 PM 3-31-83

(Dry Hole Spudder/Rotary: \_\_\_\_\_)

Details of Spud (Hole, Casing, Cement, etc.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Rotary Rig Name & Number: \_\_\_\_\_

Approximate Date Rotary Moves In: \_\_\_\_\_

FOLLOW WITH SUNDRY NOTICE

Call Received By: D. Lewis

Date: 4-6-83

**RECEIVED**  
APR 07 1983

DIVISION OF  
OIL, GAS & MINING

April 7, 1983

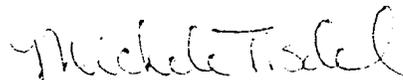
Minerals Management Service  
1745 West 1700 South  
Room 2000  
Salt Lake City, Utah 84104

R.W. Federal #12-11  
NW/SW Section 11, T7S, R22E  
Uintah County, Utah

Gentlemen:

Enclosed are three copies of a Sundry Notice for the subject well giving notice of spud. The surface casing was set with the intent of extending lease expiration.

Very truly yours,



Michele Tisdell  
Sec. Drilling & Production

MT  
Enclosures (3)

✓ cc: State of Utah  
Division of Oil and Gas

**RECEIVED**  
APR 11 1983

**DIVISION OF  
OIL, GAS & MINING**

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

**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.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Lomax Exploration Company</p> <p>3. ADDRESS OF OPERATOR P.O. Box 4503, Houston, TX 77210</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 595' FWL &amp; 1910' FSL NW/SW</p> <p>14. PERMIT NO. 43-047-31300</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. U-22535</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME R.W. Federal</p> <p>9. WELL NO. 12-11</p> <p>10. FIELD AND POOL, OR WILDCAT Undesignated</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 11, T7S, R22E</p> <p>12. COUNTY OR PARISH Uintah</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5274 GR</p>	

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) _____	Spud <input checked="" type="checkbox"/>

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

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

March 31, 1983:  
Move in dry hole digger. Drill 12 1/4" hole to 300'. Run 7 jts 8 5/8" 24# J-55 STC casing & set @ 290' below ground level. Cement w/210 sx class "G" + 2% CaCl + 1/4#/sx flakes. Bump plug; float held. Cement returns to surface.

NOTE: Surface casing set w/the intent of extending lease expiration 60 days until a large drilling rig can begin operation.

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

SIGNED G.L. Pruitt TITLE V.P. Drilling & Production DATE 4/6/83

(This space for Federal or State office use)

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

May 9, 1983

Natural Gas Corporation  
7800 East Union Avenue  
Suite 800  
Denver, Colorado 80237

Attention: Pat Pengelley

R.W. Federal #12-11  
NW/SW Section 11, T7S, R22E  
Uintah County, Utah

Gentlemen:

The original Sundry Notice filed for spud notification on the subject well did not specify date of spud. I have enclosed a copy of this Sundry with date typed in. A copy of this letter will be forwarded to Minerals Management and State of Utah, Division of Oil and Gas.

Very truly yours,

Michele Tisdell  
Sec. Drilling & Production

MT  
Enclosure

cc: Minerals Management Service  
~~State of Utah, Division of Oil and Gas~~

**RECEIVED**  
MAY 11 1983

**DIVISION OF  
OIL, GAS & MINING**

333 North Belt East  
Mailing Address:

Suite 880  
P.O. Box 4503

Houston, Texas 77060 713/931-9276  
Houston, Texas 77210-4503

SOONER

CHEMICALS

# SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000  
P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-97  
P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

## WATER ANALYSIS REPORT

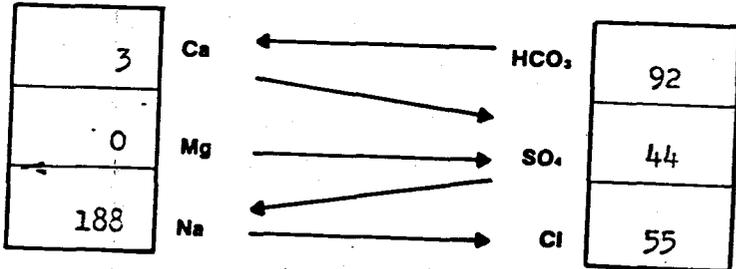
COMPANY Lomax ADDRESS Roosevelt, Utah DATE: 6-9-83  
Federal 12-11 Sec. 11 T 75 R 22E  
SOURCE Perfs. 6101-6113 Swab Sample DATE SAMPLED 6-9-83 ANALYSIS NO. 1083

Analysis

	Mg/l (ppm)	*Meq/l
1. PH	8.2	
2. H <sub>2</sub> S (Qualitative)	None Detected	
3. Specific Gravity	1.0075	
4. Dissolved Solids	10,500	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	4,600	
8. Bicarbonate (HCO <sub>3</sub> )	5,612	92
9. Chlorides (Cl)	1,947	55
10. Sulfates (SO <sub>4</sub> )	2,100	44
11. Calcium (Ca)	35	3
12. Magnesium (Mg)	5	0
13. Total Hardness (CaCO <sub>3</sub> )	112	
14. Total Iron (Fe)	1.2	
15. Barium (Qualitative)	0	
16. Phosphate Residuals		

\*Milli equivalents per liter

### PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

Ca CO<sub>3</sub> 13 Mg/l  
Ca SO<sub>4</sub> · 2H<sub>2</sub>O 2,090 Mg/l  
Mg CO<sub>3</sub> 103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04		3		243
Ca SO <sub>4</sub>	68.07				
Ca Cl <sub>2</sub>	55.50				
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17				
Mg SO <sub>4</sub>	60.19				
Mg Cl <sub>2</sub>	47.62				
Na HCO <sub>3</sub>	84.00		89		7,476
Na <sub>2</sub> SO <sub>4</sub>	71.03		44		3,125
Na Cl	58.46		55		3,215

REMARKS Resistivity = 0.890 Ohm Meters @ 72 °F



# SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000  
 P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-  
 P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

WPH

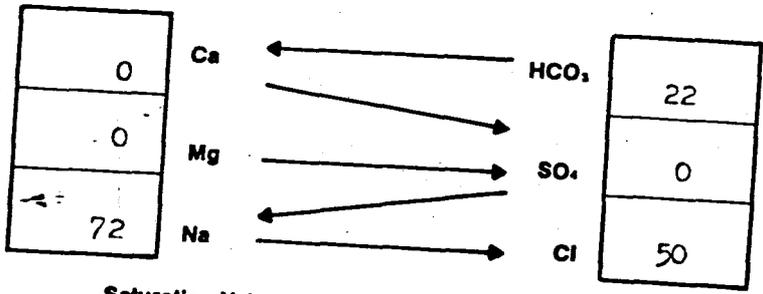
## WATER ANALYSIS REPORT

COMPANY Lomax ADDRESS Roosevelt, Utah DATE: 6-23-83  
 Federal 12-11 Sec. 11 T 75 R 22 E  
 SOURCE Swab Sample Submitted 6-22-83 ANALYSIS NO. 1109  
 DATE SAMPLED 6-22-83

Analysis	Mg/l (ppm)	*Meq/l
1. PH	8.1	
2. H <sub>2</sub> S (Qualitative)	None Detected	
3. Specific Gravity	1.0050	
4. Dissolved Solids		
5. Suspended Solids	3,500	
6. Anaerobic Bacterial Count <u>Initiated Culture</u>		C/MI
7. Methyl Orange Alkalinity (CaCO <sub>3</sub> )	1,100	
8. Bicarbonate (HCO <sub>3</sub> )	1,342	+61
9. Chlorides (Cl)	1,770	+35.5
10. Sulfates (SO <sub>4</sub> )	20	+48
11. Calcium (Ca)	6	+20
12. Magnesium (Mg)	3	+12.2
13. Total Hardness (CaCO <sub>3</sub> )	28	
14. Total Iron (Fe)	1	
15. Barium (Qualitative)	0	
16. Phosphate Residuals	0.7	

\*Meq/l equivalents per liter

### PROBABLE MINERAL COMPOSITION



Saturation Values Distilled Water 20°C

Ca CO <sub>3</sub>	13 Mg/l
Ca SO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
Mg CO <sub>3</sub>	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO <sub>3</sub> ) <sub>2</sub>	81.04				
Ca SO <sub>4</sub>	68.07				
Ca Cl <sub>2</sub>	55.50				
Mg (HCO <sub>3</sub> ) <sub>2</sub>	73.17				
Mg SO <sub>4</sub>	60.19				
Mg Cl <sub>2</sub>	47.62				
Na HCO <sub>3</sub>	84.00		22		1,848
Na <sub>2</sub> SO <sub>4</sub>	71.03				
Na Cl	58.46		50		2,923

REMARKS Resistivity = 2.15 Ohm meters @ 71 °C

Copy to Houston

SOONER CHEMICAL SPECIALTIES, INC.

P. O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000

24 June, 1983

Lomax  
Roosevelt, Utah

ANAEROBIC BACTERIAL COUNT

R.W. Fed 12-11  
Perfs 6,047'-6,057' C/MI

6-14-83 0

6-24-83 0

*O.K. Spencer* 6/24/83

O.K. Spencer

SOONER CHEMICAL SPECIALTIES, INC.

P. O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000

27 June, 1983

Lomax  
Roosevelt, Utah

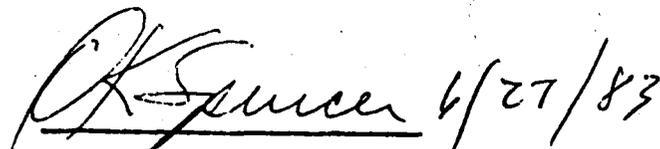
ANAEROBIC BACTERIAL COUNT

RW Federal 12-11  
Perfs. 5,928-5,936  
Sec.11 T 75 R 22 E      C/ML\*

6-15-83                      0

6-27-83                      0

\* C/ML = Colonies of Bacteria per Milliliter of sample  
This sample indicates there are no Bacteria present.

  
O.K. Spencer

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 well proposals.)

1. oil well  gas well  other DRY

2. NAME OF OPERATOR  
Lomax Exploration Company

3. ADDRESS OF OPERATOR  
P.O. Box 4503, Houston, Texas 77210

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 595' FWL & 1910' FSL NW/SW  
AT TOP PROD. INTERVAL:  
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 checked="" type="checkbox"/>
(other)		

5. LEASE  
U-22535

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Red Wash Federal

9. WELL NO.  
12-11

10. FIELD OR WILDCAT NAME  
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 11, T7S, R22E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.  
43-047-31300

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5275' GL

(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.)\*

7/11/83      Set Cement Plug #1 w/30 sx class "G" + 2% CaCl @ 5900'  
 Set Cement Plug #2 w/30 sx class "G" + 2% CaCl @ 4900'  
 Set Cement Plug #3 w/10 sx class "G" + 2% CaCl @ 102'

Surface Restoration will commence immediately

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

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

SIGNED G.L. Pruitt TITLE V.P. Drlg. & Prod. DATE July 14, 1983

(This space for Federal or State office use)

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

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

DATE 7/14/83  
BY: [Signature]

\*See Instructions on Reverse Side

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

SUBMIT IN DUPLICATE  
(See instructions on reverse side)

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

4M  
2

5. LEASE DESIGNATION AND SERIAL NO.  
**U-22535**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Red Wash Federal**

9. WELL NO.  
**12-11**

10. FIELD AND POOL, OR WILDCAT  
**Undesignated**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Section 11, T7S, R22E**

12. COUNTY OR PARISH  
**Uintah**

13. STATE  
**Utah**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other **P & A**

2. NAME OF OPERATOR  
**Lomax Exploration Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 4503, Houston, TX 77210**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **595' FWL & 1910' FSL NW/SW**  
At top prod. interval reported below  
At total depth

14. PERMIT NO. **43-047-31300** DATE ISSUED **3/18/83**

15. DATE SPUDDED **3/31/83** 16. DATE T.D. REACHED **5/26/83** 17. DATE COMPL. (Ready to prod.) **-** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5274 GR** 19. ELEV. CASINGHEAD **5274 GR**

20. TOTAL DEPTH, MD & TVD **6186'** 21. PLUG, BACK T.D., MD & TVD **102'** 22. IF MULTIPLE COMPL., HOW MANY\* **-** 23. INTERVALS DRILLED BY **X** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**N/A**

25. WAS DIRECTIONAL SURVEY MADE  
**NO**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**DLL-MSFL, CNL-LDL, CBL**

27. WAS WELL CORED  
**NO**

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	290	12 1/4	210 sx class "G" + 2% CaC + 1/4#/sx Flake	
5 1/2	17	6185'	7 7/8	350 sx Lodense & 350 sx Gypseal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

6103-13 (16 shots)  
6047-57 (1 SPF)  
5928-36 (9 shots)  
4814-30 (1 SPF)

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

DEPTH INTERVAL (MD)

**RECEIVED**  
**JUL 20 1983**

33.\* PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_

**DIVISION OF OIL & GAS**

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS \_\_\_\_\_

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

SIGNED **G. L. Pruitt** TITLE **V.P. Drilling & Production** DATE **July 14, 1983**

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



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Dr. G. A. (Jim) Shirazi, Division Director

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

November 8, 1983

Lomax Exploration Company  
P.O. Box 4503  
Houston Texas 77210

RE: See Attached Sheet

Gentlemen:

According to our records, "Well Completion Reports" filed with this office April 29, 1982, February 1, 1983, July 14, 1983 and March 18, 1983 from the above referred to wells, indicate the following electric logs were run: State # 2-32 DIL-GR, CNL-FDC, CBL-GR; Federal # 3-35 CNL-FDC, DLL-MSFL, GR-CBL; Red Wash Fed. #12-11 DLL-MSFL, CNL-LDL, CBL; and State # 9-32 CNL-FDC, DLL-MSFL, CBL. As of today's date, this office has not received these logs: State #2-32 DIL-GR; Fed. #3-35 CNL-FDC, DLL-MSFL, GR-CBL; Red Wash Fed. #12-11 DLL-MSFL, CNL-LDL, CBL; and State #9-32 DNL-FDC, DLL-MSFL, CBL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

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 acknowledgment should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Claudia Jones  
Well Records Specialist

CJ/cj

Attachment

Well No. State #2-32  
API # 43-013-30604  
Sec. 32, T. 8S, R. 17E.  
Duchesne County, Utah

Well No. Federal #3-35  
API # 43-013-30608  
Sec. 35, T. 8S, R. 16E.  
Duchesne County, Utah

Well No. State #9-32  
API # 43-013-30713  
Sec. 32, T. 8S, R. 17E.  
Duchesne County, Utah

Well No. Red Wash Federal #12-11  
API # 43-047-31300  
Sec. 11, T. 7S, R. 22E.  
Uintah County, Utah



**RECEIVED**  
JUN 18 1987

June 16, 1987

DIVISION OF  
OIL, GAS & MINING

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

RE: Red Wash Federal 12-11  
Sec. 11, T7S, R22E  
Lease# U-22535

Gentlemen;

Please find enclosed the original and two (2) copies  
of Sundry Notice for Final Release of the subject well.

Please advise if you need additional information.

Sincerely,

Bill K. Myers  
Production Superintendent  
Lomax Exploration

Enclosures (3)

BKM/kj

cc: John D. Stueble  
Lomax Exploration  
Salt Lake City, Utah 84101

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

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

5. LEASE DESIGNATION AND SERIAL NO. U-22535 PPA
6. IF INDIAN, ALLOTTEE OR TRIBE NAME 070713
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Red Wash Federal
9. WELL NO. 12-11
10. FIELD AND POOL, OR WILDCAT Undesignated
11. SEC., T., R., M., OR BLK. AND SUBDIV OR AREA Sec. 11, T7S, R22E
12. COUNTY OR PARISH Uintah
13. STATE Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL [ ] GAS WELL [ ] OTHER [ ] DRY
2. NAME OF OPERATOR Lomax Exploration Company
3. ADDRESS OF OPERATOR 50 West Broadway, Suite 1200, Salt Lake City, UT-84101
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 595' FWL & 1910' FSL NW/SW
14. PERMIT NO. API# 43-047-31300
15. ELEVATIONS (Show whether of, ft, in, etc.) 5275 GL

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF [ ]
FRACTURE TREAT [ ]
SHOOT OR ACIDIZE [ ]
REPAIR WELL [ ]
(Other) Final Release [X]
PULL OR ALTER CASING [ ]
MULTIPLE COMPLETE [ ]
ABANDON\* [ ]
CHANGE PLANS [ ]

SUBSEQUENT REPORT OF:

WATER SHUT-OFF [ ]
FRACTURE TREATMENT [ ]
SHOOTING OR ACIDIZING [ ]
(Other) [ ]
REPAIRING WELL [ ]
ALTERING CASING [ ]
ABANDONMENT\* [ ]
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

We are hereby requesting a final inspection and release of obligation for this location. This location was restored in the Fall of 1983 and has complete ground cover.

RECEIVED JUN 18 1987

DIVISION OF OIL, GAS & MINING

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

SIGNED [Signature] TITLE Production Supt.

DATE 6-17-87

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_
COURTESY OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

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

DATE: 6-29-87

BY: [Signature]