

UTAH DIVISION OF OIL, GAS AND MINING

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

DATE FILED **3-20-79**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO **X** **U-38474** INDIAN

DRILLING APPROVED: **3-22-79**

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: **7025' GR**

DATE ABANDONED: **Application terminated 7-10-81 - LA**

FIELD: **Wildcat 786 Undesignated**

UNIT:

COUNTY: **Rich**

WELL NO. **Federal 1-30**

API NO: **43-033-30020**

LOCATION **2320'** FT. FROM (N) **XX** LINE. **1955'** FT. FROM **XX** (W) LINE. **SE NW**  $\frac{1}{4}$ - $\frac{1}{4}$  SEC. **30**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<b>13N</b>	<b>7E</b>	<b>30</b>	<b>WESTERN GOLDEN GAS CO,</b>				

**FILE NOTATIONS**

Entered in NID File ..✓.....  
Location Map Pinned .....  
Card Indexed ..✓.....

Checked by Chief .....  
Approval Letter .....  
Disapproval Letter .....

**COMPLETION DATA:**

Date Well Completed .....

Location Inspected

WW..... WW..... TA.....

Bond released

OS..... PA.....

State or Fee Land .....

**LOGS FILED**

Driller's Log.....

Electric Logs (No.) .....

E..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CLog..... Others.....

*CDW*  
*5-13-91*

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

SUBMIT IN TRIPLICATE\*
(Other instructions on
reverse side)

Federal
5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL [X], DEEPEN [ ], PLUG BACK [ ]
b. Type of Well: Oil Well [ ], Gas Well [X], Other [ ]
2. Name of Operator: Western Golden Gas Co.
3. Address of Operator: Suite 322 #10 Exchange Place Salt Lake, 84111
4. Location of Well: 2320' FNL & 1955 FWL SE NW
14. Distance in miles and direction from nearest town or post office\*: 18 Miles North of Randolph, Utah
15. Distance from proposed location to nearest property or lease line, ft.: 685'
16. No. of acres in lease: 320
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.: 2 Miles
19. Proposed depth: 12,500'
20. Rotary or cable tools: Rotary
21. Elevations (Show whether DF, RT, GR, etc.): 7025' Ground Level
22. Approx. date work will start\*: 8/1/79

Table with 5 columns: Size of Hole, Size of Casing, Weight per Foot, Setting Depth, Quantity of Cement. Rows include 26" hole with 20" casing, 17 1/2" hole with 13-3/8" casing, 12 1/4" hole with 9-5/8" casing, and 8-3/4" hole with 7" casing.

This well is programmed to test the Dinwoody and Phosphoria formations. All formations with shows will be tested. All necessary precautions will be taken to detect and control any H2S, and all Department of Oil, Gas, & Mining regulations pertaining to safety and safety equipment will be met. A 13-5/8" - 5000 psi, H2S trimmed BOP stack and a 5000 psi choke manifold will be used from below surface casing to T.D. The BOP and Manifold will be pressure-tested prior to drilling below any casing string and every 30 days thereafter. Rams and Manifold will be tested to 5000 psi and the hydril unit to 2500 psi.

A topographical exception is requested due to the terrain involved, and is noted on the accompanying topographical map.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed: [Signature] Title: Secretary Date: 3/18/79

(This space for Federal or State office use)
Permit No. 43-033-30020 Approval Date

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

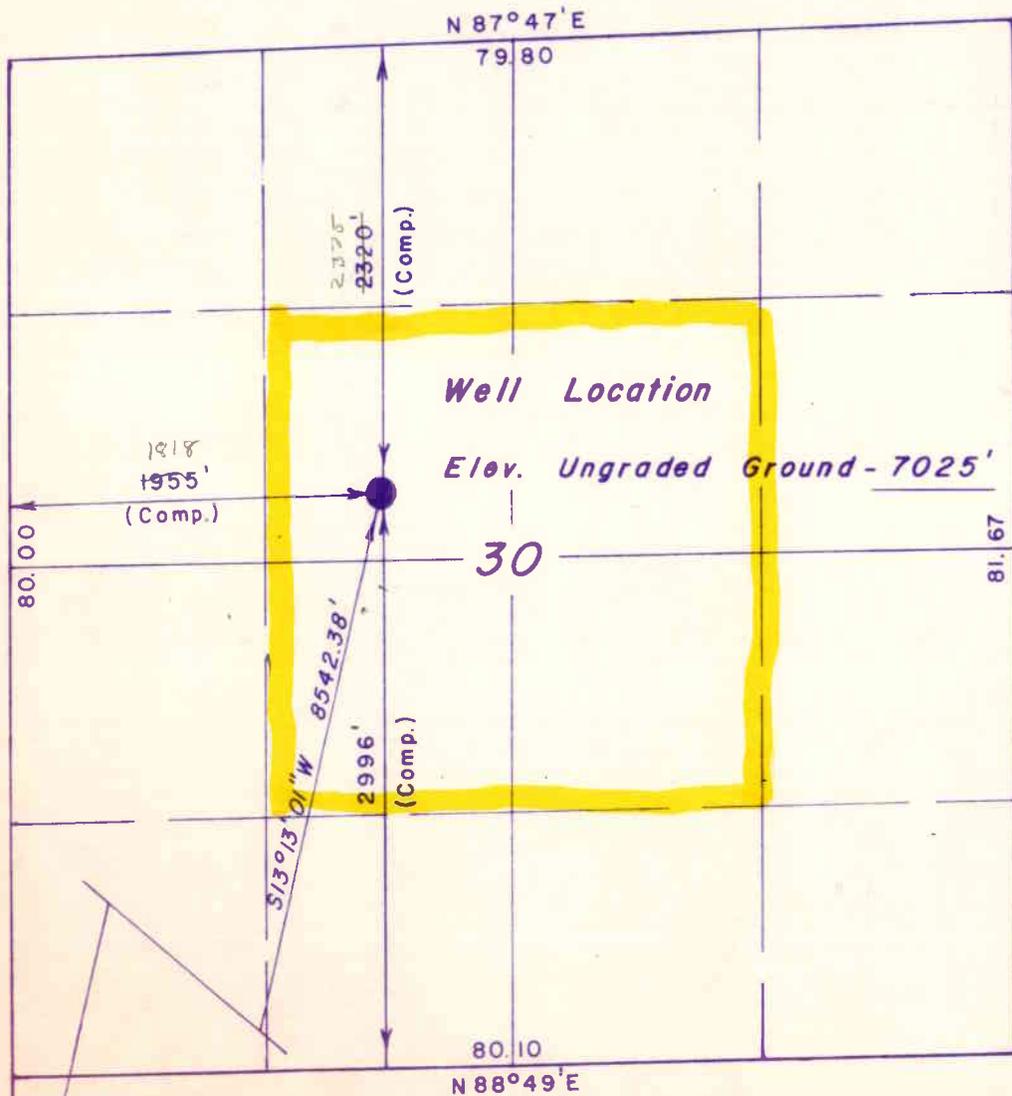
T13 N, R7E, S.L.B. & M.

PROJECT  
WESTERN GOLDEN GAS INC.

Well location, located as shown in the SE 1/4 NW 1/4 Section 30, T13 N, R7E, S.L.B. & M. Rich County, Utah.

NOTE:

Basis of Bearings is a Sun Shot.



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

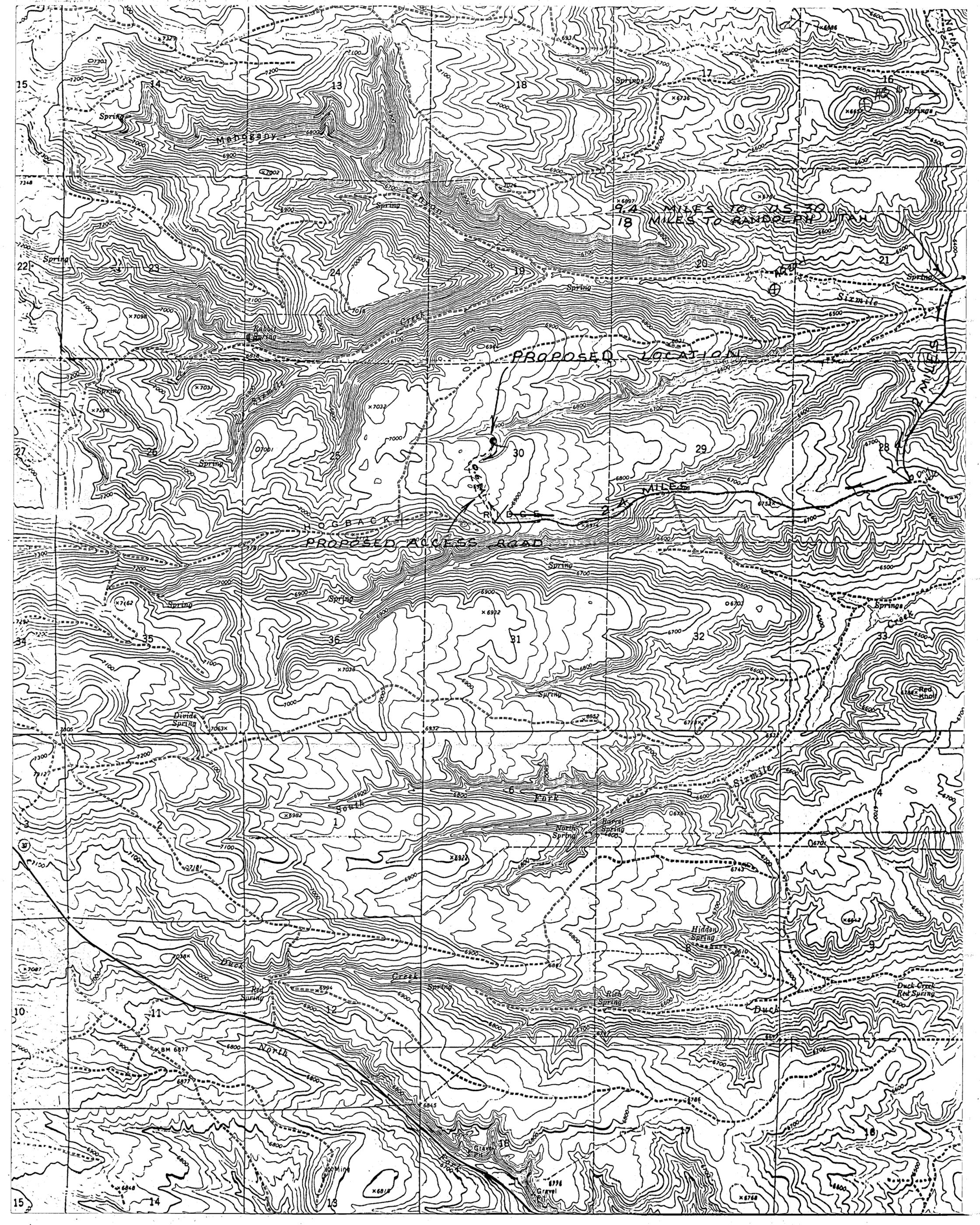
UINTAH ENGINEERING & LAND SURVEYING  
P. O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	3/9/79
PARTY	R.K. D.B. SB.	REFERENCES	GLO Plat
WEATHER	Cloudy, Windy & Cold	FILE	WESTERN GOLDEN GAS

X = Section Corners Located

SW 1/4 Corner Section 31, T13N, R7E SE 1/4 Corner Section 31, T13N, R7E,

X ← Stone



9.4 MILES TO US 39  
18 MILES TO RADDLEPHURAH

PROPOSED LOCATION

PROPOSED ACCESS ROAD

HOGBACK

SIRMITIE

Park

Duck Creek

North

11

14

13

18

17

16

15

15

22

27

34

3

10

15

13

18

17

16

24

19

20

21

25

30

29

28

36

31

32

33

1

6

5

4

2

7

8

9

13

18

17

16

Spring

Manebody

Spring

Springs

Springs

Spring

Spring

Spring

Spring

Sirmitie

Spring

Spring

Spring

Springs

Spring

Spring

Spring

Springs

Spring

Divide Spring

Red Spring

Red Spring

Red Spring

STATE OF UTAH  
DIVISION OF OIL, GAS, AND MINING

\*\* FILE NOTATIONS \*\*

Date: March 19, 1979

Operator: Western Golden Gas

Well No: Sub. 1-30

Location: Sec. 30 T. 13N R. 7E County: Rich

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number: 43-033-30020

CHECKED BY:

Administrative Assistant: [Signature]

Remarks:

Petroleum Engineer: M.S.M. 3-20-79 *a topographic exception is not required - well location site dictates of Cause # 169-1. Please include a copy of this order with letter of approval.*

Remarks:

Director: [Signature]

Remarks:

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

Survey Plat Required:

Order No. 169-1

Surface Casing Change   
to \_\_\_\_\_

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

O.K. Rule C-3

O.K. In \_\_\_\_\_ Unit

Other:

*OO - let's Order*

Letter Written/Approved



SCOTT M. MATHESON  
Governor

GORDON E. HARMSTON  
Executive Director,  
NATURAL RESOURCES

CLEON B. FEIGHT  
Director

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING  
1588 West North Temple  
Salt Lake City, Utah 84116  
(801) 533-5771  
March 22, 1979

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON  
Chairman

JOHN L. BELL  
C. RAY JUVELIN  
THADIS W. BOX  
CONSTANCE K. LUNDBERG  
EDWARD T. BECK  
E. STEELE McINTYRE

Western Golden Gas Co.  
Suite 322  
#10 Exchange Place  
Salt Lake City, Utah 84111

Re: Well No. Federal 1-30  
Sec. 30, T. 13 N, R. 7 E,  
Rich County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 169-1.

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 - Geological Engineer  
HOME: 876-3001  
OFFICE: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

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 43-033-30020.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT  
Director

cc: U.S. Geological Survey  
enc. Order - Cause No. 169-1

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-38474

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Federal

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
1-30

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 30, T13N, R7E

12. COUNTY OR PARISH  
Rich

13. STATE  
Utah

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Western Gold'n Gas Company 322-0419

3. ADDRESS OF OPERATOR  
322 New House Building Salt Lake City Utah 84111

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
SE 1/4 NW 1/4 (1980 FWL, 1980 FNL) Section 30, T13N, R7E,  
At proposed prod. zone S.L.B. & M., Rich County, Utah  
plat shows 1955 FWL 2320 FNL

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
15 miles SW of Cokeville, Wyoming

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 660

16. NO. OF ACRES IN LEASE 320

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. 2.5 miles

19. PROPOSED DEPTH 12,500 *psi*

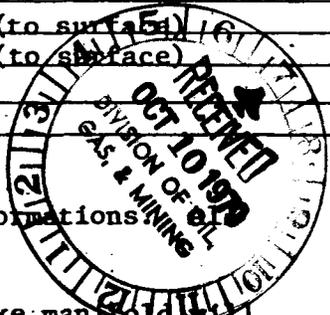
20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
6925', ungrated ground

22. APPROX. DATE WORK WILL START\*  
August 1, 1979

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	60'	60 sx (to surface)
17 1/2"	13-3/8"	48#	600'	600 sx (to surface)
12 1/2"	9-5/8"	40#	6,000'	750 sx
8-3/4"	7"	32 & 35#	12,500	600 sx



This well is programmed to test the Dinwoody and Phosphoria formations with shows will be tested.

A 13-5/8 - 5000 psi, H<sub>2</sub>S trimmed BOP stack and a 5000 psi choke manifold will be used from below surface casing to T.D. BOP and manifold will be pressure tested prior to drilling below any casing string and every 30 days thereafter. Rams and manifold tested to 5000 and hydril to 2500 psi.

All necessary precautions will be taken to detect and control any H<sub>2</sub>S encountered.

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 Joe F. Schubert TITLE President DATE 10-2-79  
(This space for Federal or State office use)

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

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

T13 N, R7E, S.L.B. & M.

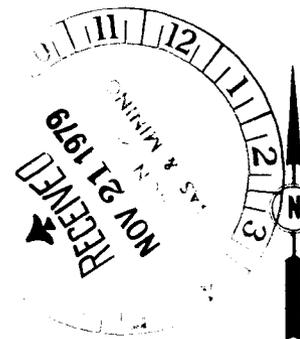
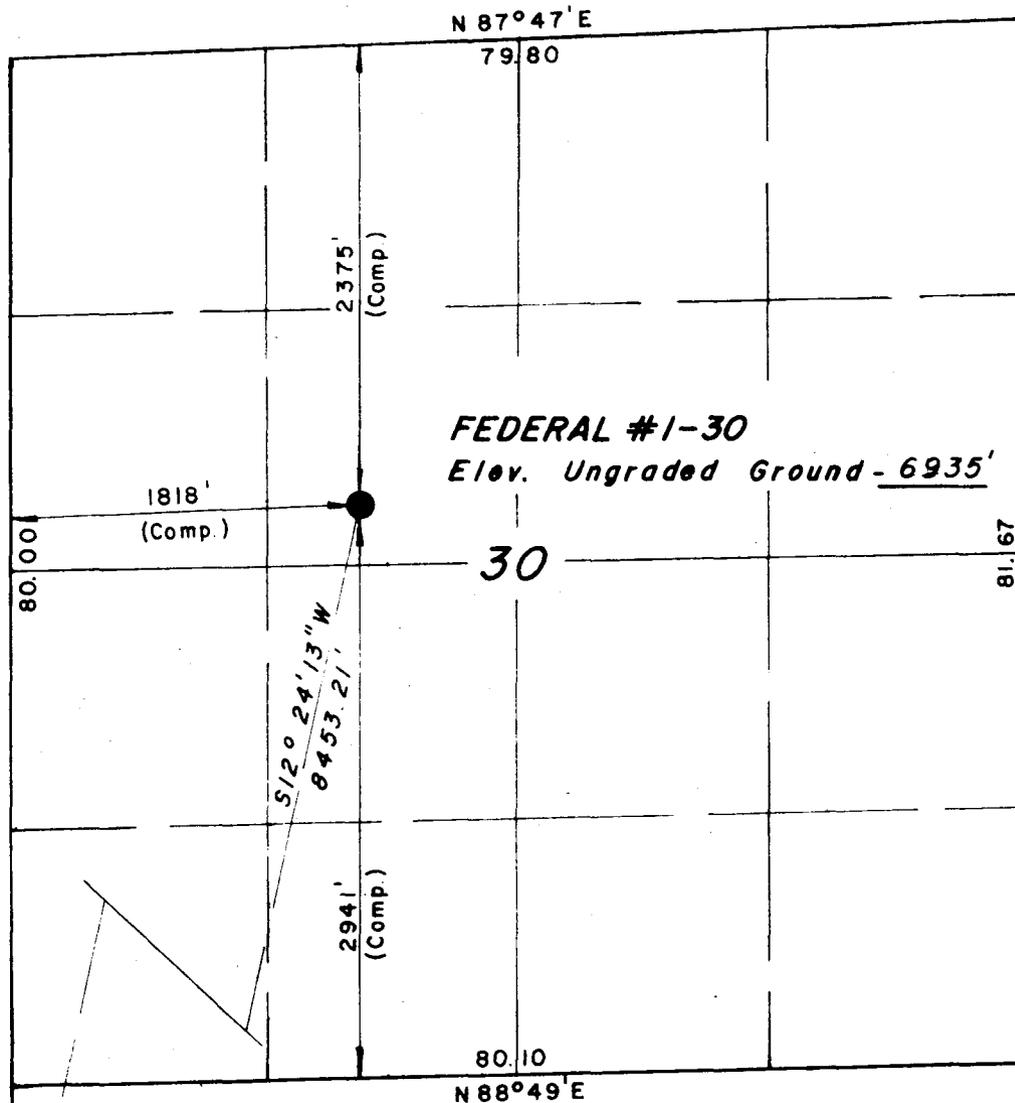
PROJECT

WESTERN GOLD 'n GAS INC.

Well location located as shown in the SE 1/4 NW 1/4 Section 30, T13 N, R7E, S.L.B. & M. Rich County, Utah.

NOTE:

Basis of Bearings is a Sun Shot.



CERTIFICATE

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*Lawrence P. Kay*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

Revised 11/19/79

Revised 7/19/79

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

SCALE	1" = 1000'	DATE	3/9/79
PARTY	R.K. D.B.	S.B.	REFERENCES GLO Plat
WEATHER	Cloudy, Windy & Cold	FILE	WESTERN GOLD 'n GAS

X = Section Corners Located

SW 1/4 Corner Section 31, T13N, R7E

SE 1/4 Corner Section 31, T13N, R7E,

X ← Stone

TEN POINT PLAN FOR  
WESTERN GOLDEN GAS COMPANY  
Federal 1-30, SE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 30  
T 13 N - R 7 E, Rich County, Utah  
( To accompany " Application for Permit to Drill )

By  
Robert E. Covington  
Certified Professional Geologist  
No. 1705

September 18, 1979

Vernal, Utah

WESTERN GOLD'n GAS COMPANY

10 POINT PROGRAM

Attachment to Form 9-331-C " Application to Drill, Deepen or Plug Back".

WESTERN GOLD'n GAS COMPANY

Federal 1-30

SE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 30, T13N-R7E

Rich County, Utah

1. Geologic name of surface formation: Wasatch Formation.

2. Estimated tops of important geologic markers:

Wasatch	Surface
Unconformity	1859'
Twin Creek	1859'*
Nugget	4313'
Ankareh	5552
Thaynes	7126'*
Woodside	10,554'
Dinwoody	11,370'*
Phosphoria	12,500'*

\* = faulted; repeats part of section. Data derived from formations and faults encountered in American Quasar 28-1 well, Hogback Ridge, Section 28, T13N-R7E & is predicated on Phosphoria to be at 12,500'. Actual tops should be encountered at lesser depths.

3. Estimated depths of anticipated water, oil, gas or other mineral bearing formations:

Twin Creek	1859'	Possible oil production.
Nugget	4313'	Possible oil zone
Thaynes	7126'	Possible oil zones
Phosphoria	12,500'	Possible gas zone; probably sour gas

4. Casing Program:

26" hole with 20", 94# casing set at 60' and cemented w/60 sx to surface.  
17 $\frac{1}{2}$ " hole with 13 3/8", 48# casing, set at 600', cem. w/600 sx to surface.  
12 $\frac{1}{4}$ " hole, with 9 5/8" casing, 40#/ft., set at 6000' & cem. w/750 sx.  
8 3/4" hole, with 7" casing, 32 & 35#/ft. at 12,500' & cem. w/600 sx.

5. Lessee's or operators minimum specifications for pressure equipment:

One 13 3/8", 5000 psi, H<sub>2</sub>S trimmed, BOP stack will be used and a 5000 psi choke manifold will be used from below surface casing to total depth.

BOP and manifold will be pressure tested prior to drilling below any casing string and every 30 days thereafter. Rams and manifold will be tested to 5000 psi and hydril to 2500 psi.

All necessary precautions will be taken to detect and control any H<sub>2</sub>S encountered. For details see 13 point program, attached.

6. The type and characteristics of the proposed circulating medium or mediums and the quantities and types of mud and weighting materials to be maintained:

It is proposed to drill this well using conventional drilling fluids, using light, non-dispersed, conventional bentonite gel. Mud weight will be maintained at 9.0#/gallon or less. If a thick salt section is encountered, the mud system will be converted to a salt base mud. If only stringers of salt are encountered, a non-dispersed or dispersed system will be used to control rheology and water loss.

Hydrogen sulfide equipment is to be operational at all times and H<sub>2</sub>S scavengers will be on hand before drilling into the Phosphoria Formation. Water loss will especially be checked and watched in the drilling mud system just above the top of the Phosphoria.

Conventional lost circulation materials will be used if needed. Weighting materials will be barite.

7. Auxiliary Equipment:

Consult "13 Point Program" attached to and accompanying this report for drilling in H<sub>2</sub>S area and auxiliary equipment for this program. (Includes self-contained breathing apparatus, radio and telephone communication equipment, hand held H<sub>2</sub>S detectors, one resuscitator, one stretcher, one visible and audible alarm system, etc.

8. Testing, Logging, or Coring:

A. Any shows of oil or gas considered worth testing by well site geologist will be drill stem tested.

B. Electric logs will be run prior to setting 12 1/4" casing and prior to running 8 3/4" casing or at total depth. Logs will probably consist of Dual Induction Laterlog with Gamma Ray, Gamma Ray - Formation Density with caliper and Borehole Compensated Sonic Log.

8. Testing, Logging, or Coring, Contd.

C. Fracturing or other treatment program information is not known at present time. A program will be submitted for approval prior to treatment or fracturing. A basic frac equipment layout is included in the accompanying "13 Point Program".

D. No coring is anticipated.

9. Abnormal Pressure or Temperature:

No abnormal pressures or temperatures are expected.

10. The anticipated starting date and duration of operations:

Anticipated starting date is October 15, 1979.

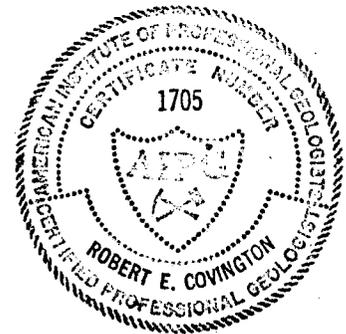
Duration of operation is expected to be 4 to 6 months.



Robert E. Covington, C.P.G. #1705  
For: Western Gold'n Gas Company

Vernal, Utah  
September 18, 1979

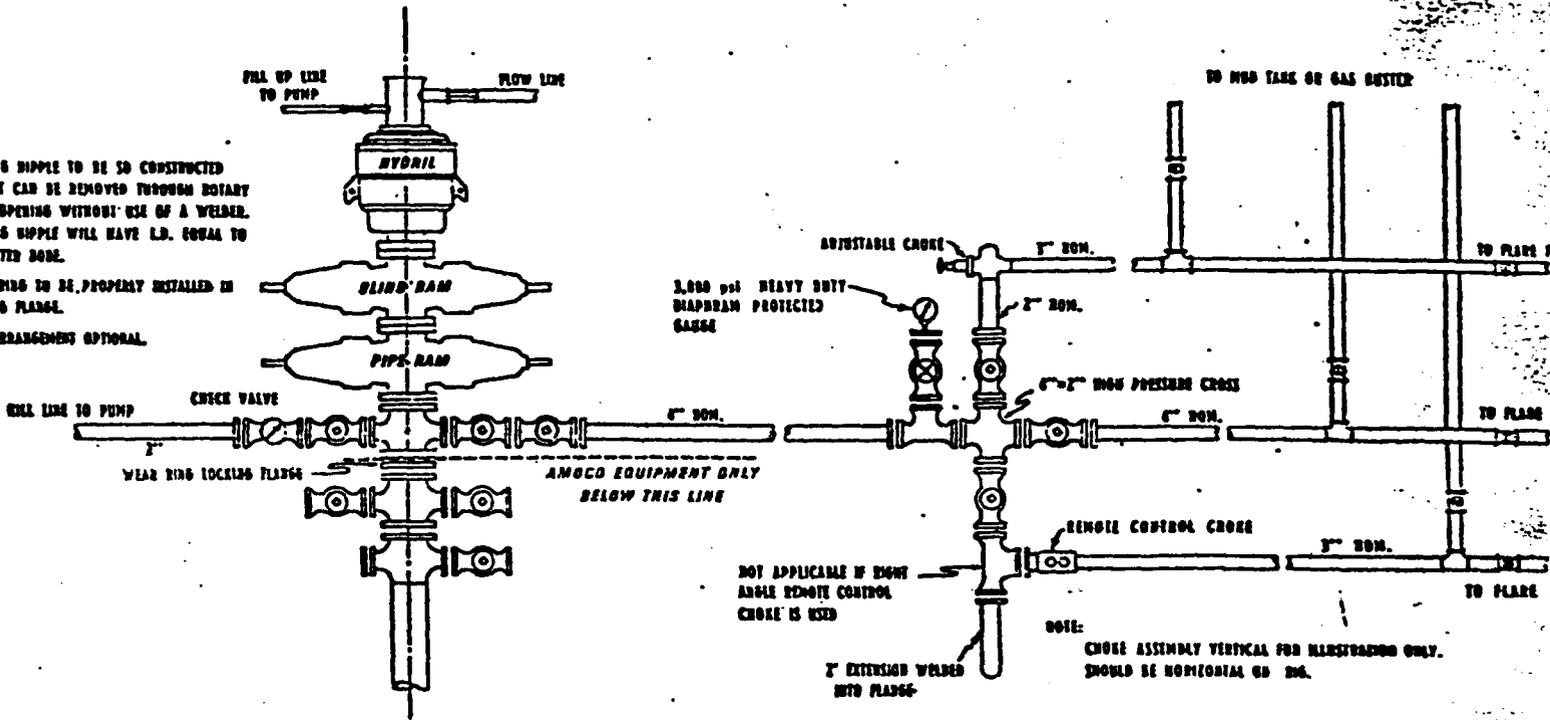
Accompanies "13 Point Program".



**ARRANGEMENT IF MANIFOLD IS ON SIDE OF RIG**

**NOTE:**

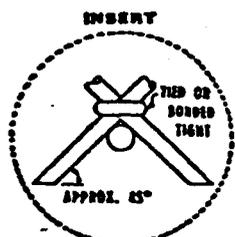
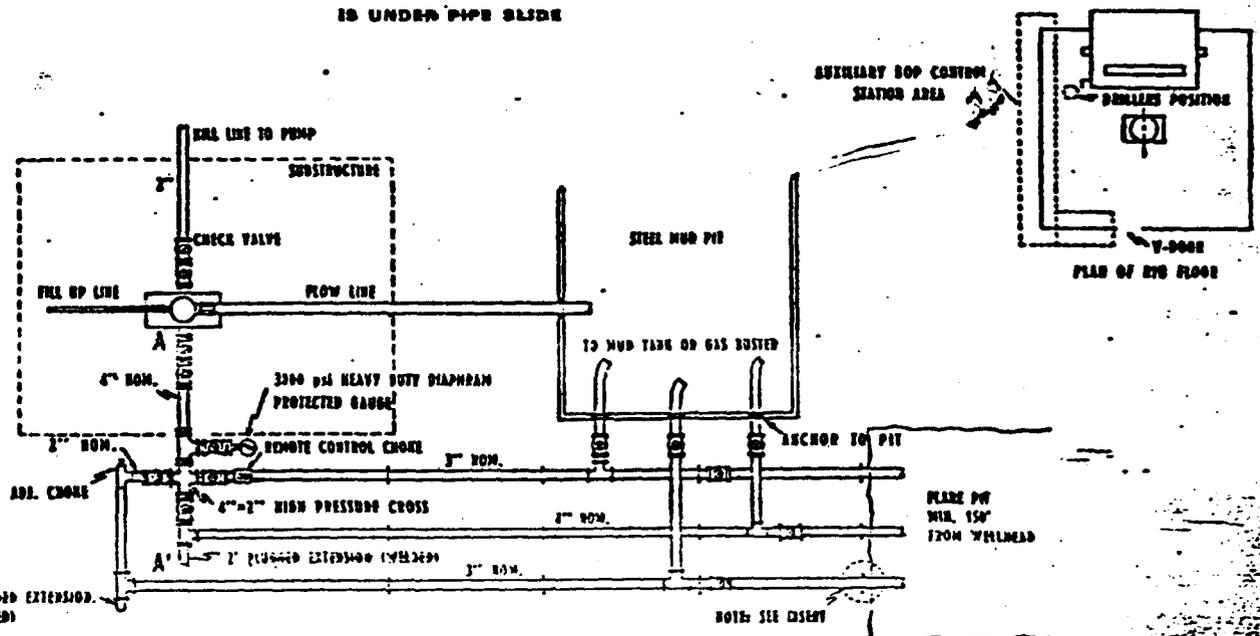
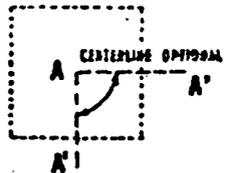
- 1 DRILLING SIPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED THROUGH ROTARY TABLE OPENING WITHOUT USE OF A WELDER. DRILLING SIPLE WILL HAVE L.D. EQUAL TO PREVENTED BORE.
- 2 WEAR RING TO BE PROPERLY INSTALLED IN LOCKING FLANGE.
- 3 RAM ARRANGEMENT OPTIONAL.

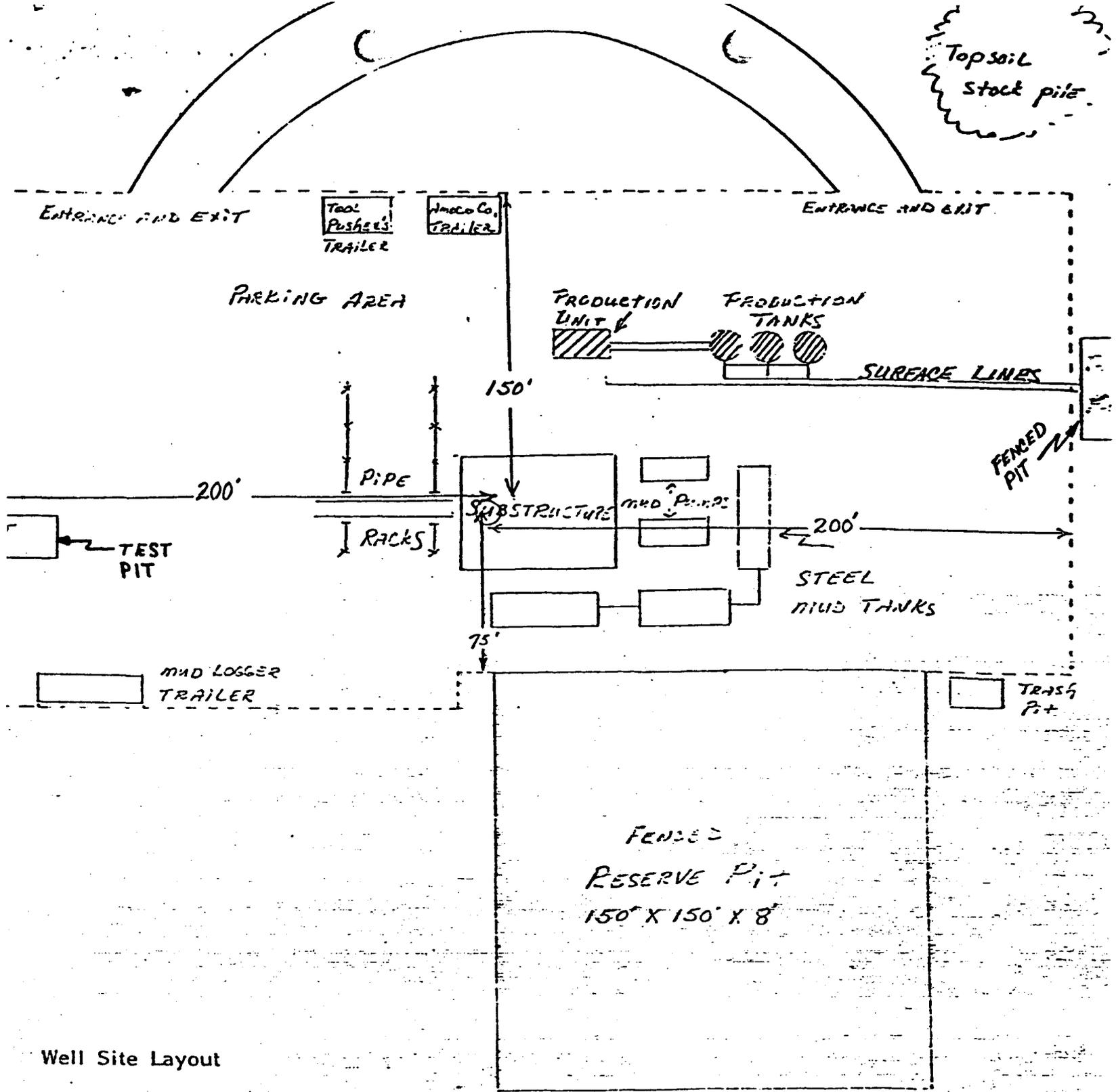


**ARRANGEMENT IF MANIFOLD IS UNDER PIPE SLIDE**

**NOTE:**

DIRECTION OF MANIFOLD RUN 6-1" OPTIONAL WITHIN 90° ARC AS SHOWN BELOW

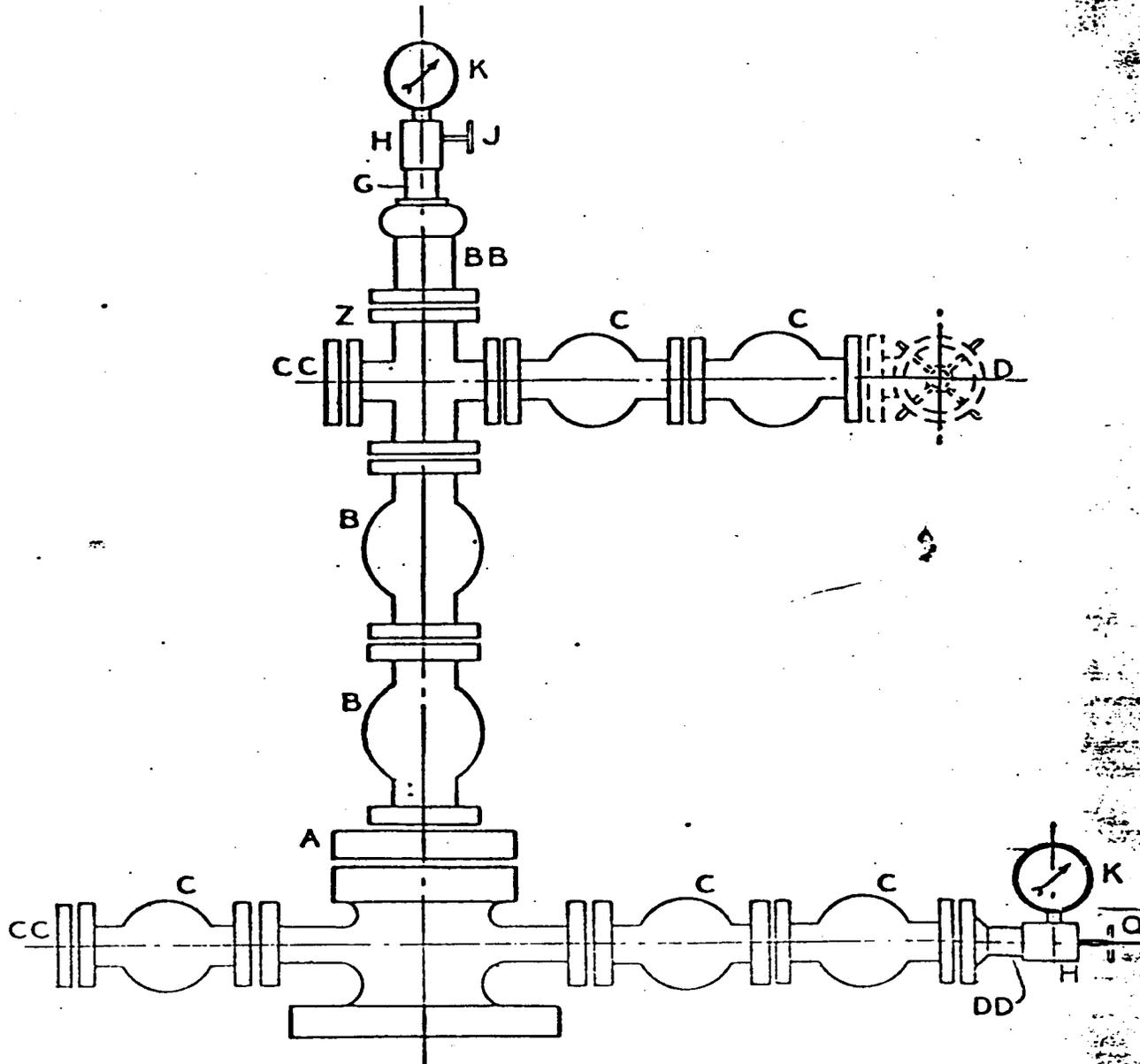




Well Site Layout

1" = 50'      (hatched circle) = Shows permanent production equipment to be installed after drilling rig removed. The fenced pit used for production will be covered if any fluid is present. drilling and production pads will be constructed with dozers and graders using native material. dashed lines indicates perimeter of leveled location.

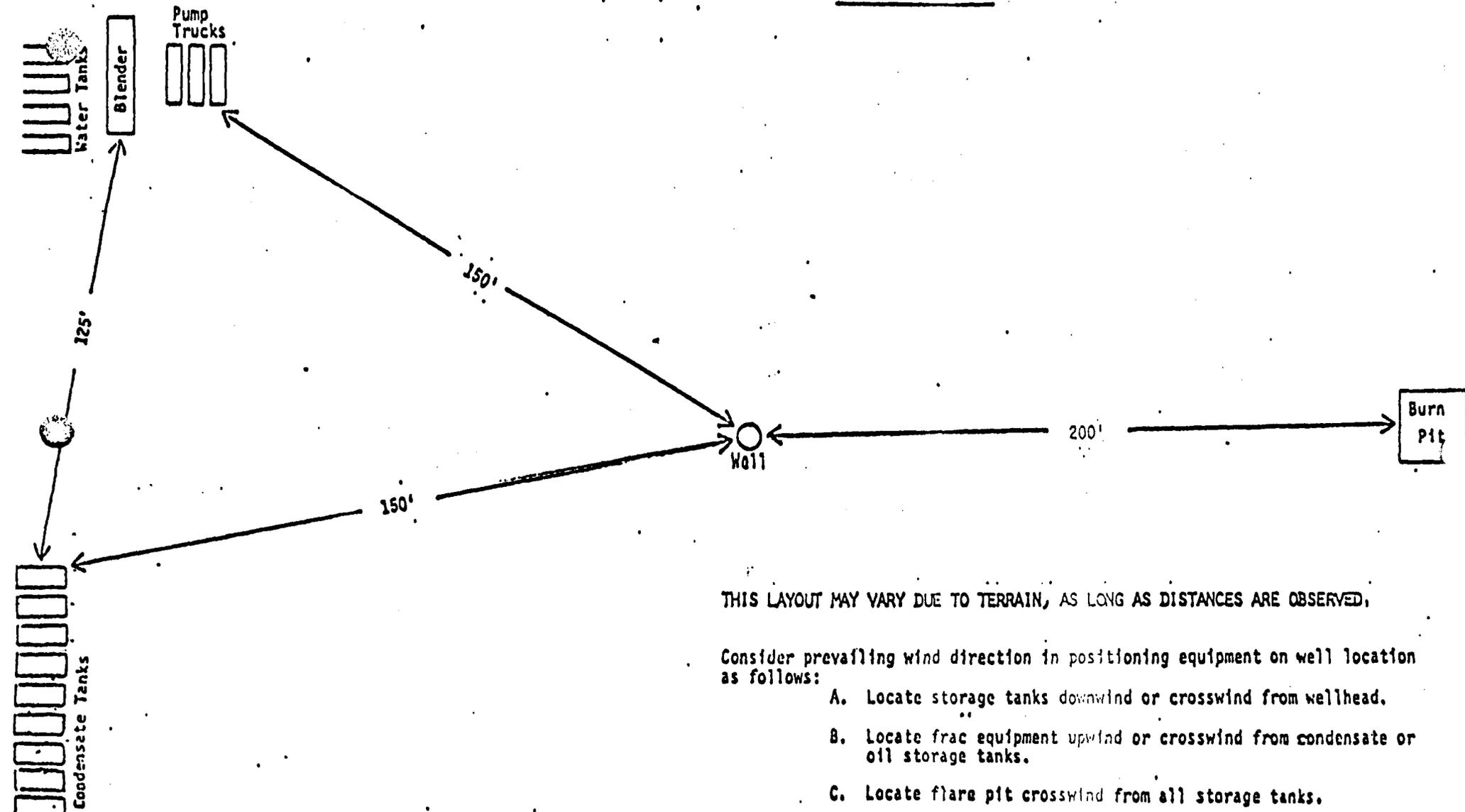
TYPICAL  
LOCATION  
LAYOUT



STANDARD BASIC WELL HEAD HOOK-UP  
5,000# W.P.  
(CHOKED UP STREAM)

SCALE: NONE

LAYOUT OF EQUIPMENT FOR FRAC USING FLAMMABLE FLUIDS



THIS LAYOUT MAY VARY DUE TO TERRAIN, AS LONG AS DISTANCES ARE OBSERVED.

Consider prevailing wind direction in positioning equipment on well location as follows:

- Locate storage tanks downwind or crosswind from wellhead.
- Locate frac equipment upwind or crosswind from condensate or oil storage tanks.
- Locate flare pit crosswind from all storage tanks.



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P.O. Box 17544 - Salt Lake City, Utah 84117

Tel.: (801) 486-0261

May 17, 1979

Subject: Archeological Survey of a Drill Site and Access  
Roads in Rich County, Utah

Project: Western Golden Gas

Project No.: WGG-79-1

Permit No.: 79-Ut-061

To: ✓ Mr. Pat Driscoll, 2364 St. Mary's Drive, Salt Lake  
City, Utah 84108

Western Golden Gas, Suite 325, No. 10 Exchange  
Place, Salt Lake City, Utah 84111

Salt Lake District Manager, Bureau of Land  
Management, 2370 So. 2300 W., Salt Lake City,  
Utah 84119

Wasatch Area Manager, Bureau of Land Management,  
2370 So. 2300 West, Salt Lake City, Utah 84119

Info: Mr. Richard Fike, BIM Archeologist, Bureau of  
Land Management, University Club Bldg., 136 East  
South Temple, Salt Lake City, Utah 84111

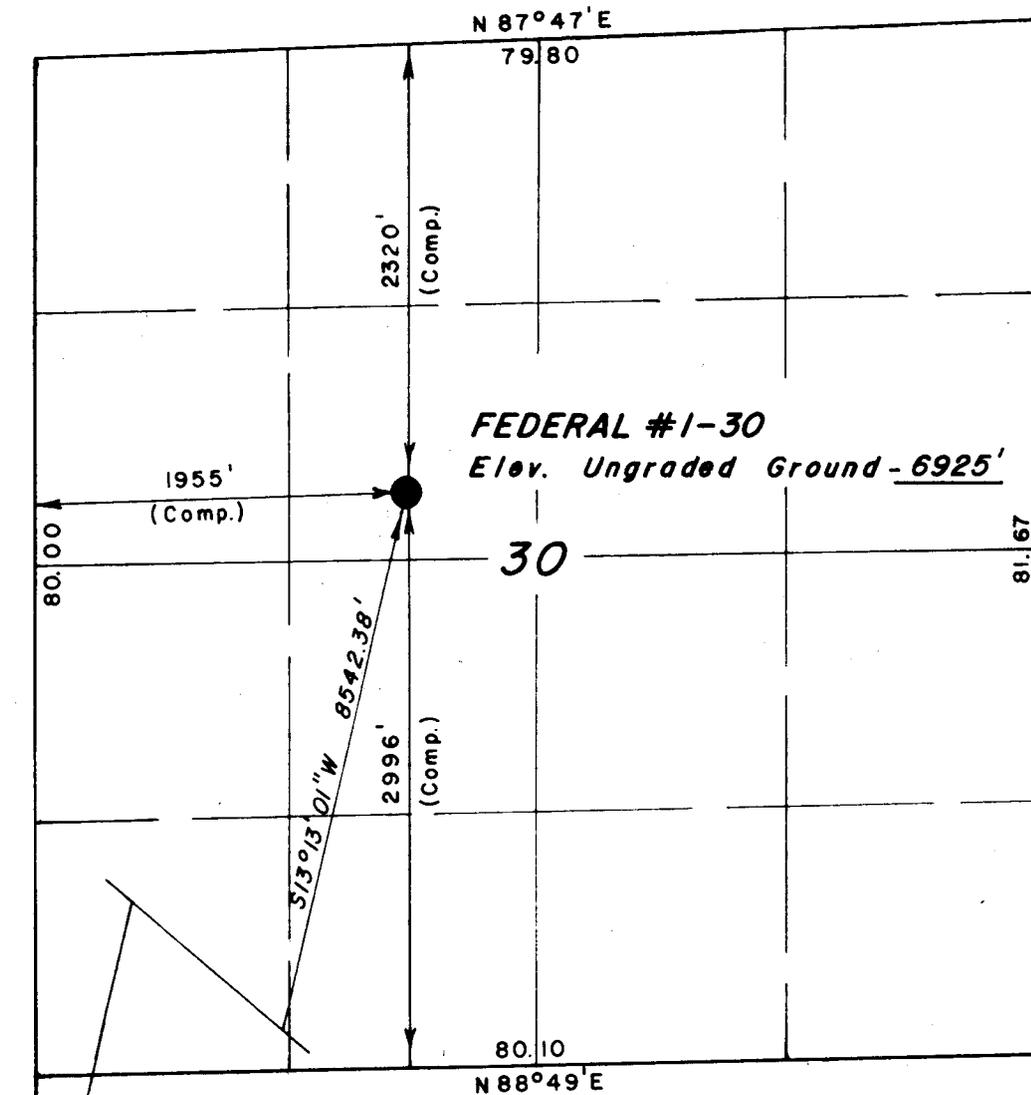
T13 N, R7E, S.L.B. & M.

PROJECT  
WESTERN GOLD 'n GAS INC.

Well location located as shown  
in the SE 1/4 NW 1/4 Section 30, T13  
N, R7E, S.L.B. & M. Rich County, Utah.

NOTE:

Basis of Bearings is a Sun Shot.



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. King*

REGISTERED LAND SURVEYOR  
REGISTRATION NO 3137  
STATE OF UTAH

Revised 7/19/79

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

SCALE	1" = 1000'	DATE	3/9/79
PARTY	R.K. D.B.	SB.	REFERENCES GLO Plat
WEATHER	Cloudy, Windy & Cold	FILE	WESTERN GOLD 'n GAS

X = Section Corners Located

SW 1/4 Corner Section 31, T13N, R7E      SE 1/4 Corner Section 31, T13N, R7E,

X ← Stone

WESTERN GOLD'N GAS COMPANY

13 Point Surface Use Plan

For

Well Location

Federal #1-30

Section 30, T13N, R7E, S.L.B. & M.

Rich County, Utah

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

1. EXISTING ROADS

(See attached Topographic Map "A")

To reach Western Gold'n Gas Company well location, Federal #1-30 located in the SE $\frac{1}{4}$  NW $\frac{1}{4}$  Section 30, T13N, R7E, S.L.B. & M. from Randolph, Utah:

Proceed North out of Randolph, Utah, on Utah State Highway 16, 8.5 miles to its intersection with Utah State Highway 30, known as Sage Creek Junction; proceed Northeasterly on an improved dirt road 5.2 miles to the point that an existing improved dirt road exits to the West; proceed Westerly on this road 2.8 miles to the point where the road forks to the North and Northwest; proceed Northwesterly 1.6 miles to the point where the road forks to the North and West; proceed Westerly 0.3 miles to the point that an existing dirt road exits to the South; proceed Southerly on this road 1.2 miles to its intersection with a road running East and West; proceed Westerly on this road 2.4 miles to the point that the planned access road (to be discussed in Item #2) leaves the existing road and proceeds in a Northerly direction to the proposed location site.

The highways mentioned above are bituminous surfaced roads to Sage Creek Junction at which point the roads are dirt and are constructed from materials acquired during construction. This material consists of sandy clay material with some fine gravels.

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

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.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

2. PLANNED ACCESS ROAD

(See Topographic Map "B")

The proposed access road leaves the existing road described in Item #1 in the SE $\frac{1}{4}$  SW $\frac{1}{4}$  Section 30, T13N, R7E, S.L.B. & M. and proceeds in a Northerly direction 0.5 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 where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

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

There will be two culverts required along this access road. (See Topographic Map "B" for the location of these culverts) These culverts will be placed under the direction of the B.L.M. and will meet their specifications.

The road will be centerline flagged prior to the commencement of construction.

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.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard having a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

2. PLANNED ACCESS ROAD - Continued

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate either leaving or entering the proposed access road.

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

The terrain traversed by this road is in the form of a large ridge which is sparsely vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

(See Topographic Map "B")

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

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Western Gold'n Gas Company tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site.

In the event that production is established, plans for a flowline from this location to existing lines in the area will be submitted to the proper authorities.

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

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.

The 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.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES - Continued

These facilities will be constructed using bulldozers, graders, and workman crews to construct and place the proposed facilities.

If there is any deviation from the above, all appropriate agencies will be notified.

Rehabilitation of disturbed areas no longer needed for operations after construction is completed will meet the requirements of Item #10.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled by truck from Sixmile Reservoir at a point located in the NW $\frac{1}{4}$  SW $\frac{1}{4}$  Section 25, T13N, R7E, S.L.B. & M. Water will be hauled over existing roads and the proposed access road approximately 7.1 miles to the location site.

In the event this is not a suitable source an alternate source will be decided upon and all concerned agencies will be notified.

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

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location site and access road shall be borrow material 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.

All surface disturbance area is on B.L.M. lands.

7. METHODS FOR HANDLING WASTE DISPOSAL

See location layout sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 8' 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 non-flammable materials such as cuttings, salts, drilling fluids, chemicals and produced fluids, etc.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL - Continued

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 if deemed necessary to protect the water fowl, wildlife, and domestic animals.

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

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

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.

9. WELL SITE LAYOUT

See location layout sheet.

The B.L.M. District Manager 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.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

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) 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 minimum of 4' of cover.

As mentioned in Item #7, the reserve pits will be completely fenced with wire and overhead flagging installed if there is oil in the pits, and then allowed to dry completely before covering.

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

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup 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 topography of the general area is in the form of a large drainage valley running in a North-South direction consisting of the Bear River as the main perennial stream and numerous other perennial and non-perennial streams as well as swamps and marshes. This valley is bordered on the East by a large mountain range known as the Bear River Divide and on the West by the Wasatch Mountain Range and the Bear River Mountain Range.

The valley floor contains numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are relatively steep and ledges formed in sandstone, conglomerate, and shale deposits are common to the area.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The geologic structures of the area that are visible are of the Knight Conglomerate (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger Alluvial deposits from the Quaternary Period.

The topsoil in the area ranges from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 10".

Due to the low precipitation average, climatic conditions, and the marginal types of soils, the vegetation that is found in the area is common of semi-arid regions and consists of areas of sagebrush, rabbitbrush, grasses, and some cacti as the primary flora. In the lower elevations near the perennial streams, the vegetation consists mainly of grasses.

The fauna of the area consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

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

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

Federal #1-30 is located on the top portion of a large ridge known as Hogback Ridge. This ridge runs in an East-West direction and is bordered on the North by Sixmile Creek and on the South by the South Fork of Sixmile Creek, both of which are perennial streams. The location site lies approximately 8 miles West of the Bear River, which is also a perennial stream. The area contains numerous springs.

The majority of the drainages in the area around this location run in a Northeasterly direction into Sixmile Creek which is a tributary to the Bear River.

WESTERN GOLD'N GAS COMPANY  
Federal #1-30  
Section 30, T13N, R7E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The terrain in the vicinity of the location site slopes from the West through the location site to the East at approximately a 10% grade into a large drainage which is a tributary to Sixmile Creek.

All lands disturbed by this location site and road are under B.L.M. jurisdiction.

The vegetation in the immediate area surrounding the location site is predominantly 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.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

Enid Bourgeois  
322 New House Building  
Salt Lake City, Utah 84111

Telephone: 801-322-0417

13. CERTIFICATION

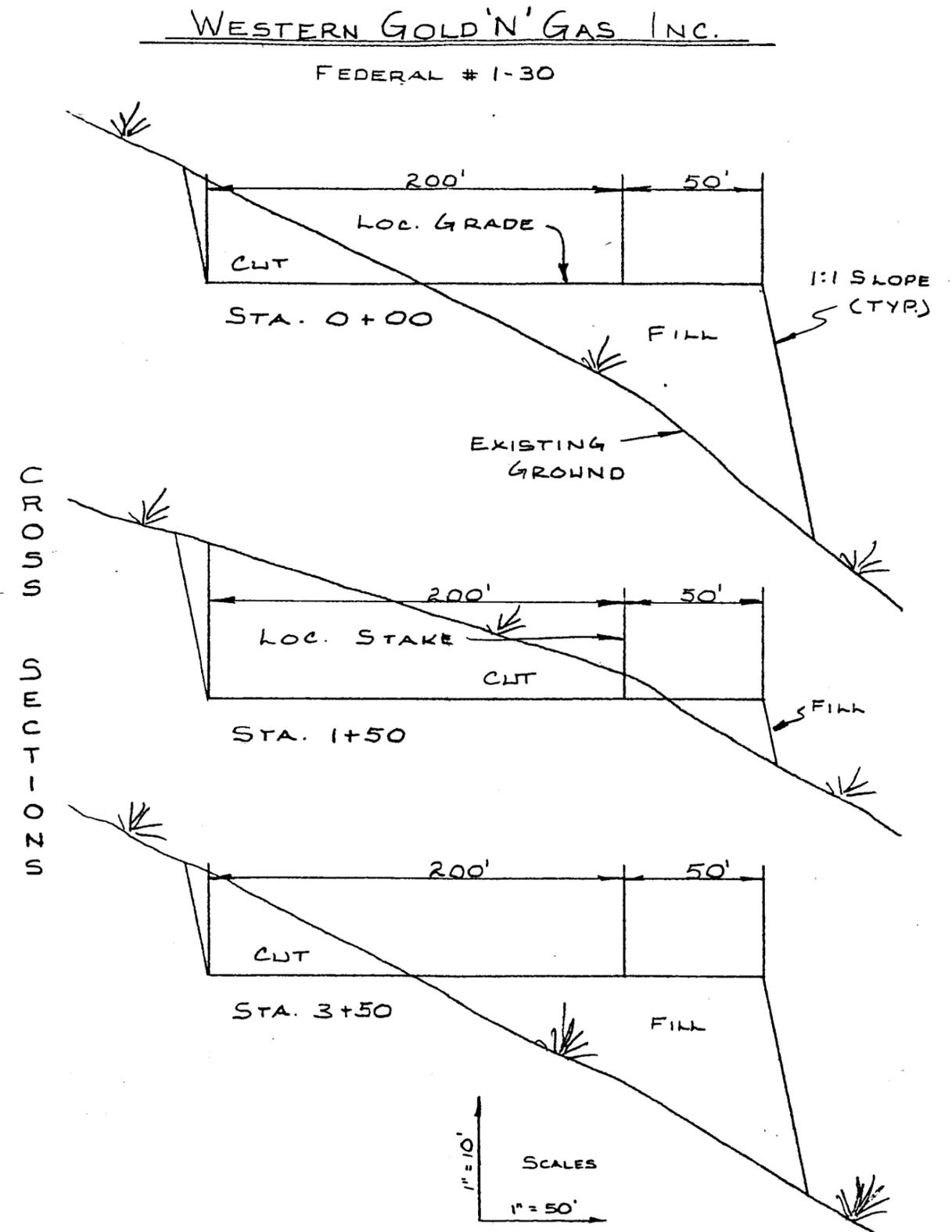
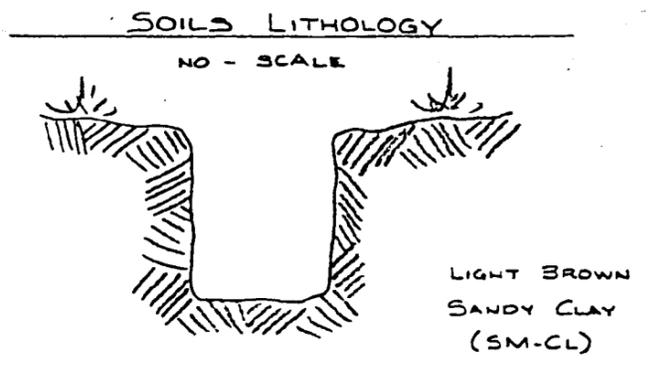
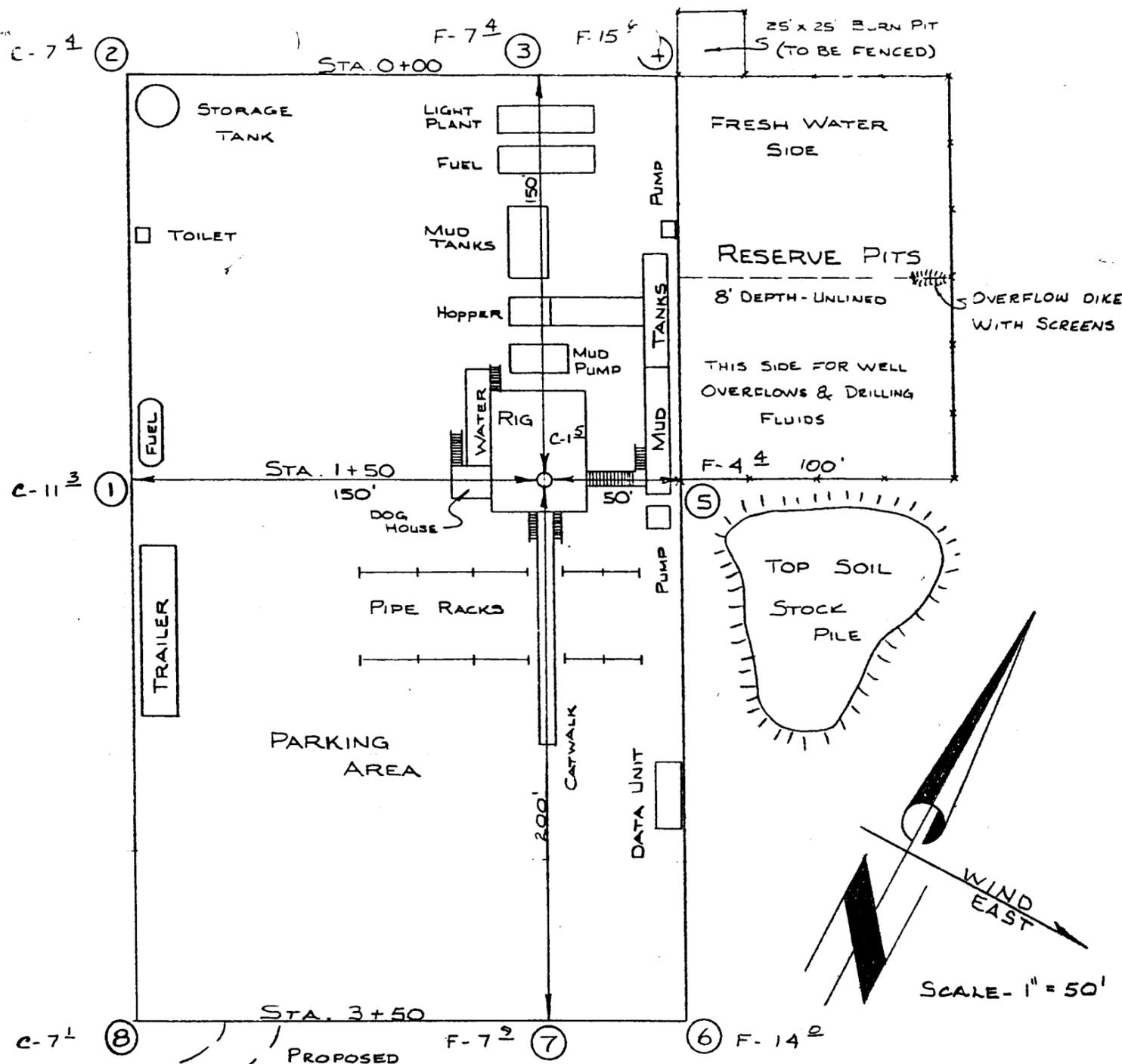
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; that the work associated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

Date

Oct 4, 1979

Enid Bourgeois

Enid Bourgeois



APPROX. YARDAGES

CUT	7,565	Cu. YDS.
FILL	7,274	Cu. YDS.





October 31, 1979

Western Gold'n Gas Company  
322 New House Building  
Salt Lake City, Utah 84111

Re: Well No. Federal 1-30  
Sec. 30, T. 13N, R. 7E.,  
Rich County, Utah

Gentlemen:

Your application for the above referenced well, located 2320 FNL and 1955 FWL was approved March 22, 1979. On October 10, 1979, another application was received for the same well, but this time the location on the application was 1980 FWL and 1980 FNL while the plat shows the previously approved location of 2320 FNL and 1955 FWL.

Your company was contacted twice as to the reason for the subsequent application with no real response. As far as this office is concerned, the application and approval will stay the same as was approved on March 22, 1979.

If you wish to move the location of the well, a new survey plat and sundry notice will have to be filed. If you have any further questions, please contact me.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Bonnie Melendez  
Secretary

/b:tm

cc: USGS

NELSON J. MARSHALL  
Phone 789-0272

GENE STEWART  
Phone 789-1795

LAWRENCE C. KAY  
Phone 789-1125

OFFICE LOCATION  
85 SOUTH 200 EAST

PHONE 789-1017

# Utah Engineering & Land Surveying

P.O. BOX Q  
VERNAL, UTAH 84078



November 9, 1979

Utah State Division of  
Oil and Gas Conservation  
1588 West, North Temple  
Salt Lake City, Utah 84116

Attention: Mr. Mike Minder

Dear Sir:

We are hereby requesting a variance in spacing for Western Gold'n Gas Inc. well location Federal #1-30, which is located 2375' FNL and 1818' FWL, Section 30, T13N, R7E, S.L.B.& M.

Variance is requested due to severe topography and at the suggestion of the Bureau of Land Management.

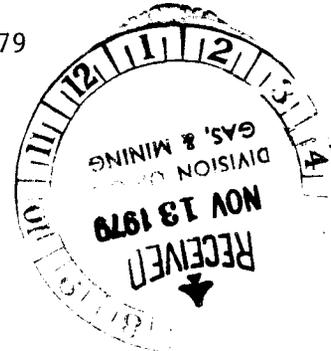
Footages from Section lines are final as moved on November 8, 1979.

Respectfully,

A handwritten signature in cursive script that reads "Gene Stewart". The signature is written in dark ink and is positioned above the typed name and title.

Gene Stewart  
Consultant

GS/dcp



Western Golden  
Gas - well no.  
Fed. 1-30

They will drill in  
30-60 days.

(3-11-80) James

February 26, 1980

Western Golden Gas Co.  
Suite 322  
#10 Exchange Place  
Salt Lake City, Utah 84111

Re: Well No.Fed. 1-30  
Sec. 30, T. 13N, R. 7E  
Rich County, Utah

Gentlemen:

In reference to above mentioned well, 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 this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well and action will be taken to terminate the application. If you plan on drilling 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



JANICE TABISH  
CLERK TYPIST

WESTERN GOLD 'N GAS COMPANY

FRED F. AUERBACH  
President

March 12, 1980

Ms. Janice Tabish  
State of Utah  
Department of Natural Resources  
Division of Oil, Gas, and Mining  
1588 West North Temple  
Salt Lake City, UT 84116

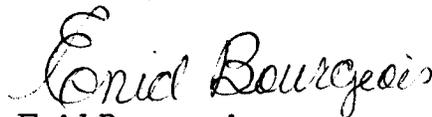
Re: Well No. Fed. 1-30  
Sec. 30, T. 13N, R. 7E  
Rich County, Utah

Dear Ms. Tabish:

We acknowledge receipt of your letter dated February 26, in reference to the above referenced well. Please be advised that we intend to drill this well, and are hoping to be spudding within 45 to 60 days.

We will keep you advised of our activity as it takes place.

Sincerely yours,



Enid Bourgeois  
Secretary & Treasurer

EB:slh

**RECEIVED**

MAR 14 1980

DIVISION OF  
OIL, GAS & MINING

December 8, 1980

Western Golden Gas Company  
Suite 322  
#10 Exchange Place  
Salt Lake City, Utah 84111

RE: Well No. Federal #1-30  
Sec. 30, T. 13N, R. 7E.,  
Rich County, Utah

Gentlemen:

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

This office received notification of spudding to commence around April or May of 1980 from your office. If you do not intend to drill this well, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well and action will be taken to terminate the application. If you plan on drilling 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

BARBARA HILL  
WELL RECORDS

/bjh

July 10, 1981

Western Golden Gas Company  
Suite 322  
#10 Exchange Place  
Salt Lake Ckty, Utah 84111

Re: Well No. Federal #1-30  
Sec. 30, T. 13N, R. 7E  
Rich County, Utah

Gentlemen:

Approval to drill the above mentioned well, which was granted in our letter of 10-31079, is hereby terminated for failure to spud it within a reasonable period of time.

If and when you should decide to drill this well, it will be necessary for you to again obtain the approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

  
Cleon B. Feight  
Director

/lm