

UTAH DIVISION OF OIL AND GAS CONSERVATION

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

7-21-78 - Location Abandoned; well never drilled

DATE FILED 12-1-76

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-1531 _____ INDIAN _____

DRILLING APPROVED: 11-30-76 o.k. Rule C-3 (Geological exception)

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: *7-21-78 - Location Abandoned*

FIELD: *West Bar X Gas Field - 3/86 Undesignated*

UNIT: _____

COUNTY: Grand

WELL NO. Hancock Gov't. #56

APT. NO: 43-019-30333

LOCATION 1000' FT. FROM (N) ~~(E)~~ LINE, 1520' FT. FROM (E) ~~(W)~~ LINE. NW NE ¼-¼ SEC. 28

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR:
------	------	------	----------	------	------	------	-----------

17S 25E 28 BURTON W. HANCOCK

7-21-78 - Lease cancelled & location abandoned

FILE NOTATIONS	
Entered in NID File <input checked="" type="checkbox"/>	Checked by Chief _____
Entered On S R Sheet _____	Copy NID to Field Office _____
Location Map Pinned _____	Approval Letter _____
Card Indexed <input checked="" type="checkbox"/>	Disapproval Letter _____
IWR for State or Fee Land _____	
COMPLETION DATA:	
Date Well Completed _____	Location Inspected _____
OW _____ WW _____ TA _____	Bond released _____
GW _____ OS _____ PA _____	State of Fee Land _____
LOGS FILED	
Driller's Log _____	
Electric Logs (No.) _____	
E _____ I _____ E-I _____ GR _____ GR-N _____ Micro _____	
Lat _____ Mi-L _____ Sonic _____ Others _____	

Burton W. Hancock

1799 Hamilton Avenue
San Jose, California 95125

November 8, 1976

Mr. Cleon B. Feight, Director
Division of Oil & Gas Conservation
1588 West North Temple
Salt Lake City, Utah 84116

Dear Mr. Feight:

Herewith enclosed my Applications for Permit to Drill Hancock Government No. 56 and Hancock Government No. 60 for your approval.

These Applications have been delayed by an abnormally long drilling time and attendant problems required to complete my Well No. 10 Alt. in Section 4, with tubing changes to take care of an *indicated* unexpectedly high flow.

Please note that I must be on location before December 1, 1976 or these leases will be lost. Rentals on both leases have been paid for a great many years, and I have earlier drilled another well in Section 30 of Lease U-1531, with no return. I will appreciate your consideration. I assure you that any future Applications to Drill will reach you with enough of lead time.

Yours very truly,

Burton W. Hancock

BURTON W. HANCOCK

BWH:PD:de
Encl.

2

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
 Burton W. Hancock

3. ADDRESS OF OPERATOR
 1799 Hamilton Avenue, San Jose, California 95125

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
 At surface
 Sec. 28, 1520.0 Ft. W.E.L., 1000.0 Ft. S.N.L. T17S, R25E, S.L.B. & M.
 At proposed prod. zone
 Dakota

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 19 miles southeast of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 200'

16. NO. OF ACRES IN LEASE ~~1280~~ 640

17. NO. OF ACRES ASSIGNED TO THIS WELL

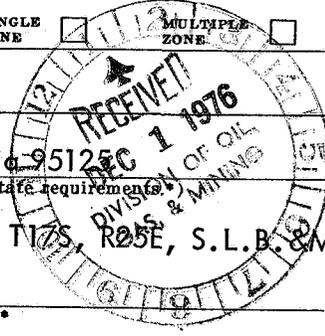
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 3600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5304.0' Ground

22. APPROX. DATE WORK WILL START*
 Nov. 30, 1976



5. LEASE DESIGNATION AND SERIAL NO.
 U-1065 1531

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Burton W. Hancock

9. WELL NO.
 Hancock Govt. No. 56

10. FIELD AND POOL, OR WILDCAT
 West Bar X Gas Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 28, T17S, R25E
 S.L.B. & M.

12. COUNTY OR PARISH 13. STATE
 Grand Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/8"	7"	17#	150'	100%
6 1/4"	4 1/2"	9 1/2#	3600'	100%

Schaffer blow out preventors will be used with blind rams and pipe rams. This equipment is all automatically controlled. Cement between the 4 1/2" casing and the hole will be filled to 300' foot above the uppermost hydrocarbons zones in all areas. All road work and rehabilitation work will be coordinated with the B.L.M. office in Moab, Utah.

* NOTE

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 Burton W. Hancock TITLE operator DATE November 5, 1976

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE ORAL FOR DIRTWORK 11-24-76

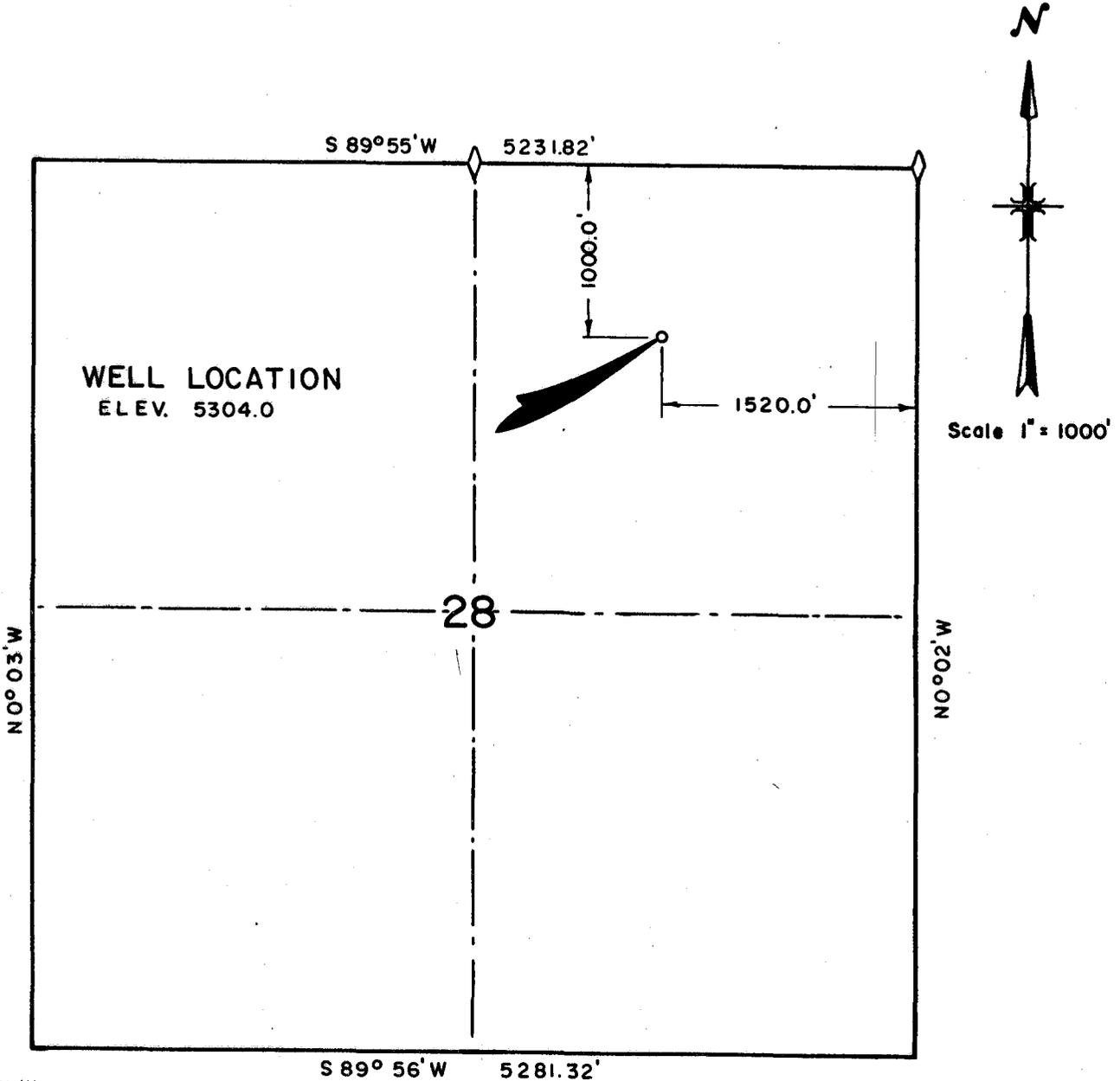
APPROVED BY W.D. Mathews TITLE ACTING DISTRICT ENGINEER DATE NOV 30 1976

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Approval Notice - UTAH STATE O-G-M

WELL LOCATION
 1000.0 FT. S.N.L. - 1520.0 FT. W.E.L.
 SECTION 28, T17S R25E S.L.B. 8 M.



WELL LOCATION
 ELEV. 5304.0

Scale 1" = 1000'



I, David L. Bear do hereby certify that this plat was plotted from notes of a field survey made under my direct responsibility, supervision and checking on November 3, 1976.

David L. Bear
 Registered Land Surveyor

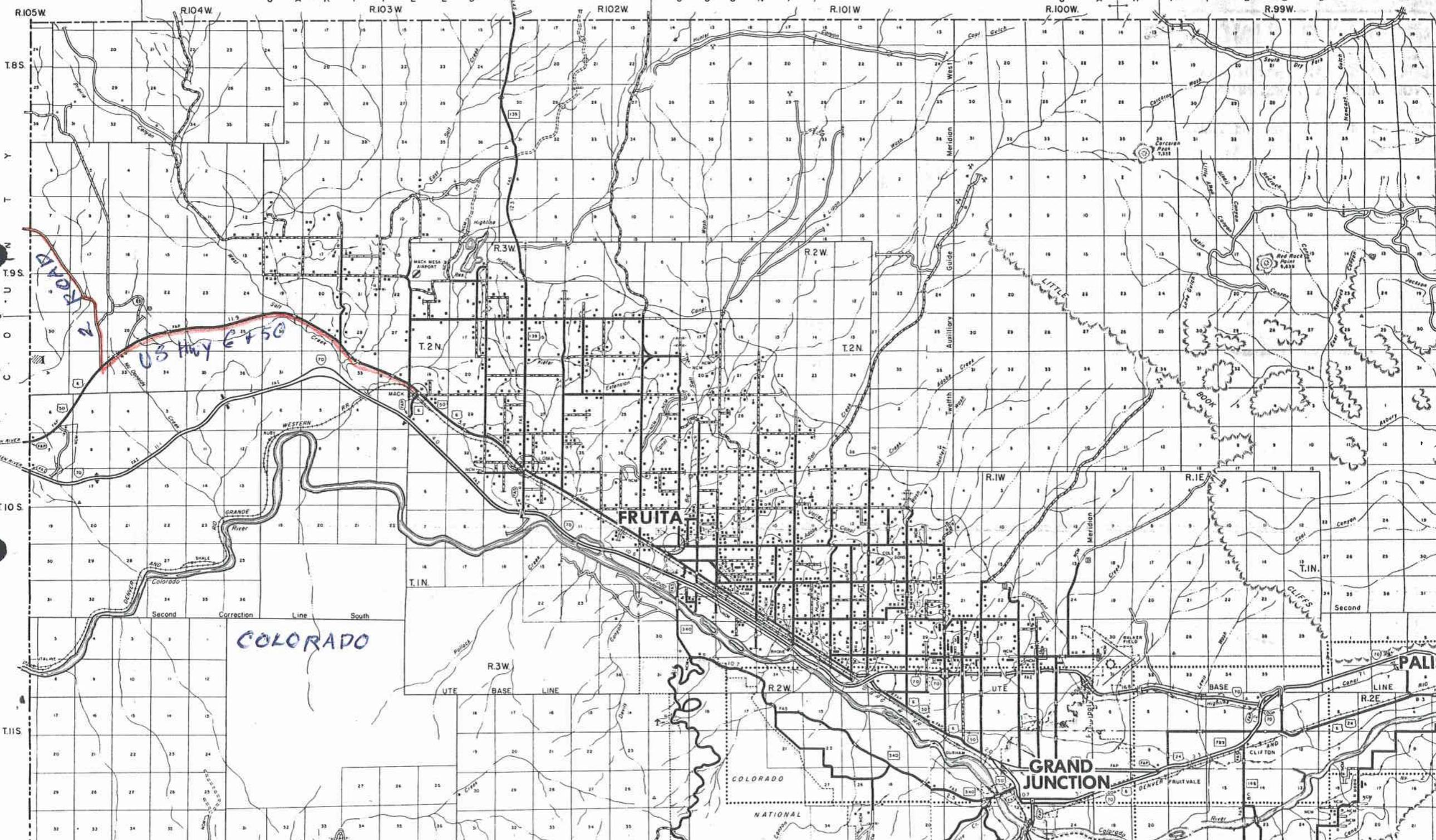
WESTERN ENGINEERS, INC. WELL LOCATION HANCOCK 56 GRAND COUNTY, UTAH SURVEYED <u>C.J.B.</u> DRAWN <u>G.L.A.</u> GRAND JUNCTION, COLO. 11/5/76

UTAH

COLORADO

COLORADO

GARFIELD COUNTY GARFIELD



FRUITA

GRAND JUNCTION

PALISA

COLORADO NATIONAL MONUMENT

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

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
 Burton W. Hancock

3. ADDRESS OF OPERATOR
 1799 Hamilton Avenue, San Jose, California 95125

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 Sec. 28, 1520.0 Ft. W.E.L., 1000.0 Ft. B.N.L., T17S, R25E, S.L.B. & M.
 At proposed prod. zone
 Dakota
NW NE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 19 miles *NORTHWEST* of Mack, Colorado

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)
 200'

16. NO. OF ACRES IN LEASE
 1200 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 Rotary

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

19. PROPOSED DEPTH
 3600'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5304.0' Ground

22. APPROX. DATE WORK WILL START*
 Immediately Nov 30, 1976

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/8"	7"	17#	150'	100%
6 1/4"	4 1/2"	9 1/2#	3600'	100%

Schaffer blow out preventors will be used with blind rams and pipe rams. This equipment is all automatically controlled. Cement between the 4 1/2" casing and the hole will be filled to 100 foot above the uppermost hydrocarbons zones in all areas. All road work and rehabilitation work will be coordinated with the B.L.M. office in Moab, Utah.

250' at least

Geological Dept. of State
Blowout Preventer
No

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 Burton W. Hancock TITLE Operator DATE Nov 5, 1976

(This space for Federal or State office use)

PERMIT NO. 13-019-30333 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Conservation Division, U.S.G.S.
November 5, 1976

MULTIPOINT SURFACE USE AND OPERATIONS PLAN

1. Existing roads.

- a. See attached topographic map. Existing roads are color-coded red; access roads, black.
- b. Well location is about 40 miles west from Grand Junction, Colorado. Access is northwest from U. S. 6 and 50 onto Two Road, an improved, graded and drained county road for ~~5 1/2~~ ^{9.80} miles. No improvement to this road is needed. Then, west onto the soil-surfaced road bordering the west side of the valley, past Winter Camp draw, for ~~1 1/2~~ ² miles. Operator will maintain. ~~No improvement is presently needed.~~ ^{IMPROVE}

2. Planned access roads.

- a. See attached location map. About 1000' of access road, shown in black, from the west valley road are planned.
- b. Width; 12' - 14', using a 12' blade.
Maximum grade; less than 10 percent.
Turnout: none needed.
Drainage: natural.
Culverts: none needed.
Surface material: the soil that will be exposed in cutting the road; nothing else need be introduced.
No fences will be cut or gates or cattle guards crossed.

3. Existing wells.

- a. See map for the following wells:
Hancock Govt. No. 35: over 10,000' NW of location, in Sec. 17.
Hancock Govt. No. 32-2: 8500' NNW of location, in Sec. 16.
Hancock Govt. No. 14, abandoned well, 8000' NW of location, in Sec. 20.
Linney (Int. Drlg.) No. 1, 7000' NE of location, in Sec. 15.
Am. Met. No. 1, 7400' NE of location, in NE 1/4, Sec. 22.
Hancock No. 1, over 6000' N of location, in Sec. 21.

4. Location of proposed facilities.

- a. Tank batteries, none.
Production facilities, none.
Oil gathering facilities, none.
Gas gathering system: Northwest Pipeline has existing lines to Linney No. 1 in Sec. 15, shown in ~~black~~ ^{BLUE}, attached location map; proposed extension to No. 56 shown in green; none of these lines are buried.
Injection line, none.
Disposal line, none.
- metering pt in sec 11 with BWH gas gathering system extending to*

- b. New facilities.
Two-inch welded pipeline to connect with existing pipeline at Linney No. 1, approximately 1.4 miles NW in Sec. 15; see map. There will be no disturbance to livestock or to surface.
- 5. Water Supply.
 - a. Nearest water is at Fruita, Colorado, about 60 miles, round trip.
 - b. Water will be pumped into tank truck, driven to location and pumped into well storage tank.
 - c. No pipeline or water well is planned or needed.
- 6. Construction materials.
 - a. None used or needed; the soil in place above the Mancos Shale will make a good road surface.
- 7. Waste disposal.
 - a. Cuttings; waste pit as shown on site layout.
Drilling fluids; waste pit.
Sewage; self-contained trailer.
Garbage and waste; removed in plastic bags, buried under 2' of fill.
- 8. Ancillary facilities.
 - a. Trailer and dog house, only.
- 9. Well site layout.
 - a. See plat drawing for location of facilities.
Drill pad will be 200' x 200'.
Pits are to be unlined.
- 10. Restoration of surface.
 - a. Back-filling; leveling.
Revegetation.
Pits filled, covered and leveled.
Oil removed.
 - b. If well is completed, we will install needed facilities and then restore.
If well is a dry hole, we will restore immediately before leaving area.
- 11. Other information.
 - a. Topography; see attached map. Location is not near steep hillsides or gullies.
 - b. Surface formation is Mancos Shale, a calcareous gray fissile shale and mudstone.
 - c. Other surface use; mainly oil and gas.
 - d. No occupied dwellings, archeological, historical or cultural sites this location.

12. Operator's representative.

Driller - Ross Jacobs
405 West Mayfield
Grand Junction, Colorado
(303) 243-9685

Operator - Burton W. Hancock
1799 Hamilton Avenue
San Jose, California 95125
(408) 264-3114

13. Certification

I hereby certify that I or persons under my direct supervision, have inspected the proposed drillsite and access ~~road~~ 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, true and correct; and, that the work associated with the operations proposed herein will be performed by Burton W. Hancock and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved

November 5, 1976
Date

Burton W. Hancock
name + title } operator + feece

Conservation Division, U.S.G.S.
November 5, 1976

Supplement to Form 9-331 C
(in compliance with NTL-6)

1. Surface formation:
Mancos Shale

2. Estimated tops:

Dakota Silt	3400'
Upper Dakota Sandstone	3500'
Lower Dakota Sandstone	3530'
Cedar Mountain Formation	3580'
Morrison Formation	3610'

3. Estimated depths:

Water - none	
Oil - not expected	
Gas - Lower Dakota Sandstone	3530' to 3580'
Cedar Mountain Formation	3580' to 3610'
Brushy Basin Member,	
Morrison Formation	3675' to 3690'

4. Proposed casing program:

See Form 9-331 C; new casing

5. Operator's minimum specifications, pressure control equipment:
Blow-out equipment will be used.

- (1) Regan B.O.P., 3000 P.S.I. (Hyd. closing unit); tested to 1000 P.S.I. after cement job on surface casing.
- (2) Jacob's rotating head above B.O.P.,
- (3) Full shut-off gate valve on well and exhaust line

Testing frequency - daily.

6. Proposed circulating medium:

Air drilled. If mud needed, 920.

7. Auxiliary equipment:

- (1) Kelly cocks
- (2) Floats at the bit and string float.
- (3) A sub on the floor with a full opening valve to be stabbed into drill pipe when the Kelly is not in the string.

8. Testing, logging and coring:

No cores or drill stem tests.

An induction electrical (IES) log and a compensated formation density (FDC) log are planned.

9. Abnormal pressures, temperatures or potential hazards:

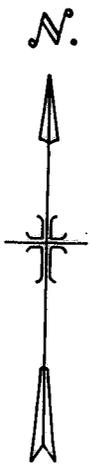
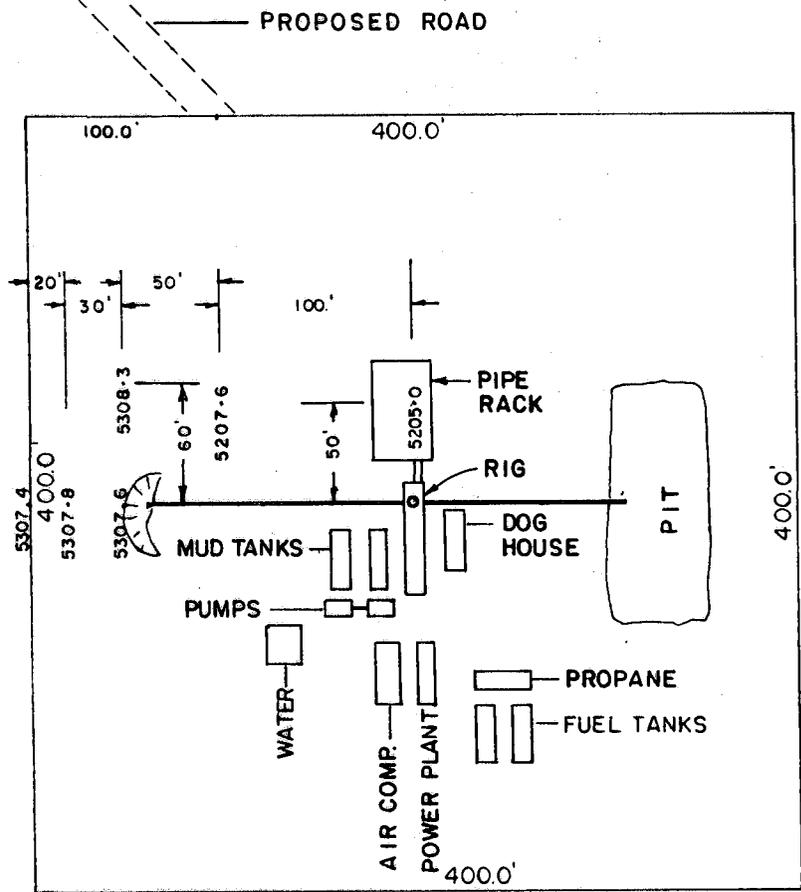
None expected; no hydrogen sulfide gases.

We have drilled another well in this section, and other producing wells in this field, and have had no problems we could not handle with our equipment and experience.

10. Anticipated starting date:

As soon as approval is received; we must start drilling on or before November 30; lease expires on December 1, 1976.

We anticipate completion by December 15, 1976.



DRAIN TO
SAN ARROYO WASH

SECTION 28,
T 17 S R 25 E S.L.B. 8 M.

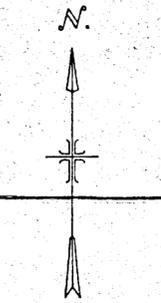
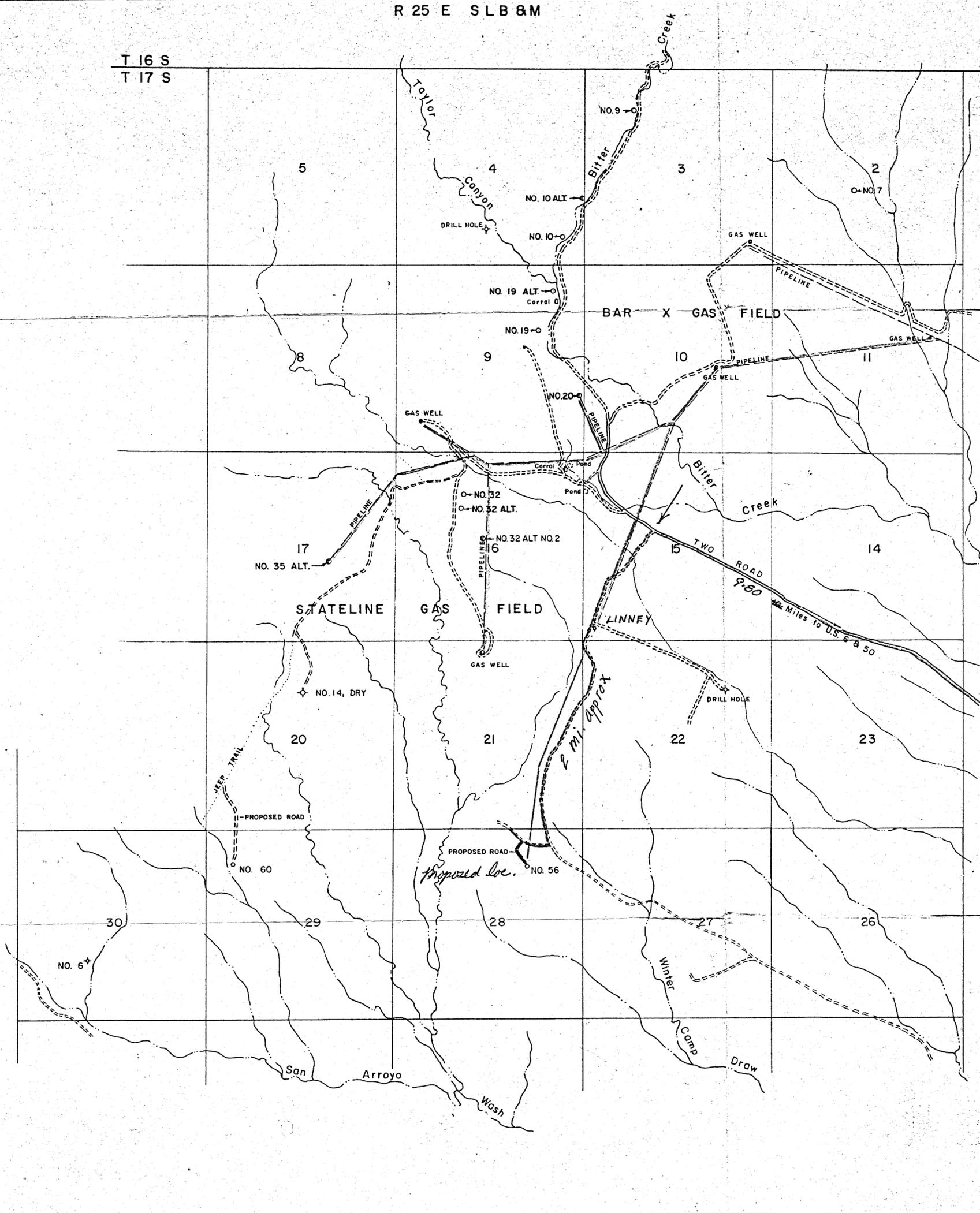
R.P. 200.0'	North	Elev. 5288.4
R.P. 200.0'	South	Elev. 5294.9
R.P. 200.0'	East	Elev. 5294.9
R.P. 200.0'	West	Elev. 5307.4

SCALE: 1" = 100'

WESTERN ENGINEERS, INC.	
SITE LAYOUT	
HANCOCK	56
GRAND COUNTY, UTAH	
Surveyed	Drawn G.L.A.
Grand Junction, Colo. 11/9/76	

R 25 E SLB & M

T 16 S
T 17 S



SCALE: 1" = 2000'

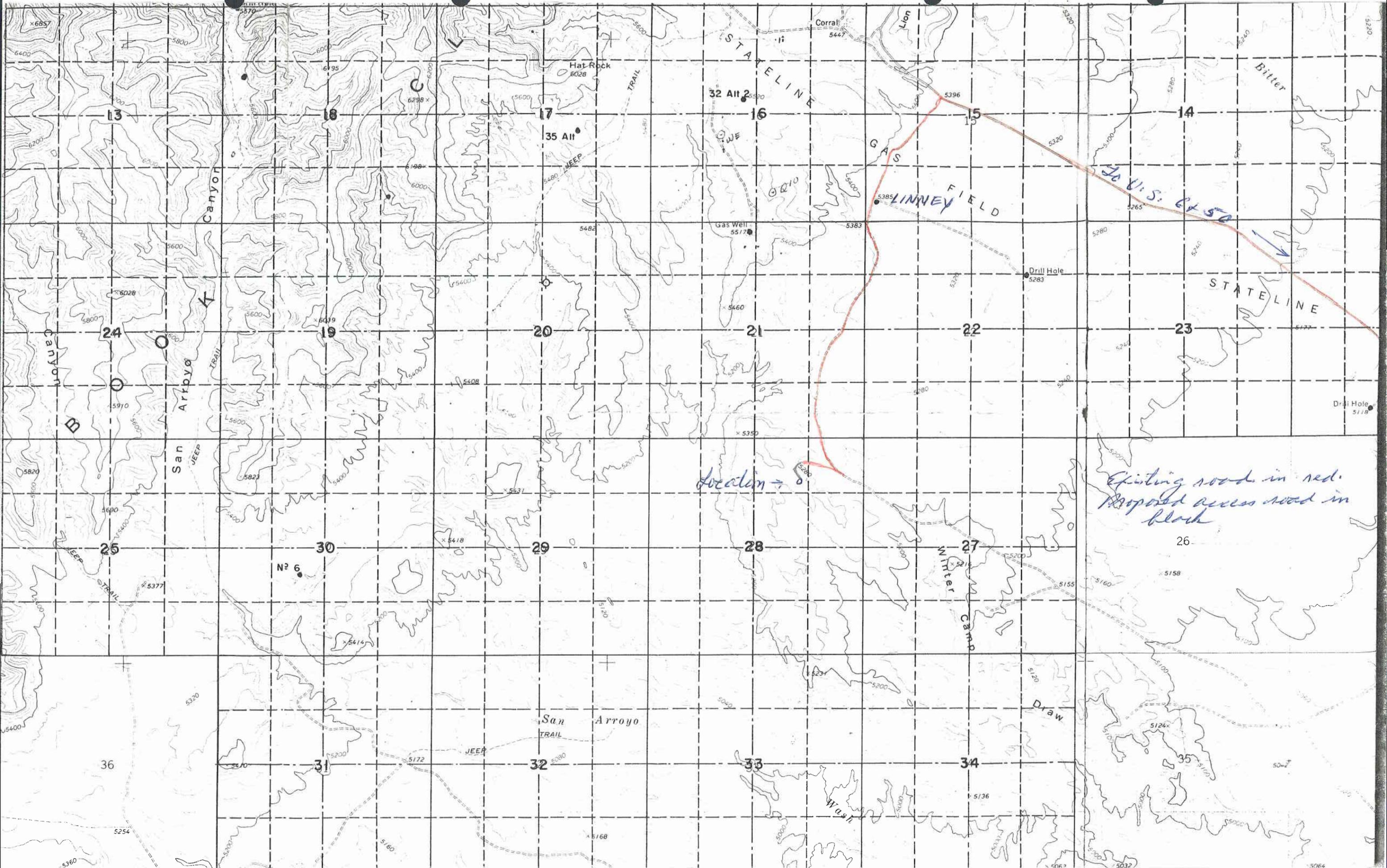
LEGEND

- ==== MAIN ROAD
- LATERAL ROAD
- EXISTING PIPELINE
- EXISTING WELL
- PROPOSED WELL
- ✕ DRY HOLE

————— *proposed access road*

————— *proposed pipeline*

REVISED 11/9/76 REVISED 1/27/75	WESTERN ENGINEERS, INC.
	MAP OF
	ROAD LOCATIONS TO
	HANCOCK GOV'T WELLS
	T17S R25E S.L.B. & M.
	GRAND COUNTY, UTAH
	DRAWN <u>S.L.A.</u>
	GRAND JUNCTION, COLO. 1-244-4 9/24/74



Location →

Existing roads in red.
Proposed access road in black

20 U.S. 6150

LINNEY FIELD

32 Alt 2

35 Alt

Corral

Lion

Bitter

STATELINE

STATELINE

GAS

Gas Well

Drill Hole

Drill Hole

Canyon

San Arroyo

San Arroyo

Bitter Camp

Draw

Wash

13

18

17

16

15

14

24

19

20

21

22

23

25

30

29

28

27

26

36

31

32

33

34

35

N^o 6

5360

5254

5320

5377

5823

5970

6039

6028

6000

6000

6195

5800

6298

5414

5418

5531

5350

5408

5482

5482

5600

5500

5040

5200

5200

5200

5200

5200

5383

5396

5447

5120

5155

5160

5283

5320

5280

5265

5320

5320

5124

5100

5160

5100

5200

5200

5200

5200

5200

5200

5042

5000

5100

5100

5100

5100

5100

5100

5100

5100

5064

5042

5100

5100

5100

5100

5100

5100

5100

5100

5100

5100

MULTIPOINT SURFACE USE AND OPERATIONS PLAN

1. Existing roads.

- a. See attached topographic map. Existing roads are color-coded red; access roads, black.
- b. Well location is about 40 miles west from Grand Junction, Colorado. Access is northwest from U. S. 6 and 50 onto Two Road, an improved, graded and drained county road for ~~5 1/2~~ ^{9.80} miles. No improvement to this road is needed. Then, west onto the soil-surfaced road bordering the west side of the valley, past ~~Winter Camp draw~~ ^{LINNEY WELL}, for ~~4 1/2~~ ² miles. Operator will maintain. ~~No improvement is presently needed.~~ ^{improved}

2. Planned access roads.

- a. See attached location map. About 1000' of access road, shown in black, from the west valley road are planned.
- b. Width; 12' - 14', using a 12' blade.
Maximum grade; less than 10 percent.
Turnout: none needed.
Drainage: natural.
Culverts: none needed.
Surface material: the soil that will be exposed in cutting the road; nothing else need be introduced.
No fences will be cut or gates or cattle guards crossed.

3. Existing wells.

- a. See map for the following wells:
Hancock Govt. No. 35: over 10,000' NW of location, in Sec. 17.
Hancock Govt. No. 32-2: 8500' NNW of location, in Sec. 16.
Hancock Govt. No. 14, abandoned well, 8000' NW of location, in Sec. 20.
Linney (Int. Drlg.) No. 1, 7000' NE of location, in Sec. 15.
Am. Met. No. 1, 7400' NE of location, in NE 1/4, Sec. 22.
Hancock No. 1, over 6000' N of location, in Sec. 21.

4. Location of proposed facilities.

- a. Tank batteries, none.
Production facilities, none.
Oil gathering facilities, none.
Gas gathering system: Northwest Pipeline has existing lines to Linney No. 1 in Sec. 15, shown in ~~black~~ ^{BLUE}, attached location map; proposed extension to No. 56 shown in green; none of these lines are buried.
Injection line, none.
Disposal line, none.

*melding pt in sec 11 with
BWB gas gathering system
extending to*

- b. New facilities.
Two-inch welded pipeline to connect with existing pipeline at Linney No. 1, approximately 1.4 miles NW in Sec. 15; see map. There will be no disturbance to livestock or to surface.
5. Water Supply.
 - a. Nearest water is at Fruita, Colorado, about 60 miles, round trip.
 - b. Water will be pumped into tank truck, driven to location and pumped into well storage tank.
 - c. No pipeline or water well is planned or needed.
6. Construction materials.
 - a. None used or needed; the soil in place above the Mancos Shale will make a good road surface.
7. Waste disposal.
 - a. Cuttings; waste pit as shown on site layout.
Drilling fluids; waste pit.
Sewage; self-contained trailer.
Garbage and waste; removed in plastic bags, buried under 2' of fill.
8. Ancillary facilities.
 - a. Trailer and dog house, only.
9. Well site layout.
 - a. See plat drawing for location of facilities.
Drill pad will be 200' x 200'.
Pits are to be unlined.
10. Restoration of surface.
 - a. Back-filling; leveling.
Revegetation.
Pits filled, covered and leveled.
Oil removed.
 - b. If well is completed, we will install needed facilities and then restore.
If well is a dry hole, we will restore immediately before leaving area.
11. Other information.
 - a. Topography; see attached map. Location is not near steep hillsides or gullies.
 - b. Surface formation is Mancos Shale, a calcareous gray fissile shale and mudstone.
 - c. Other surface use; mainly oil and gas.
 - d. No occupied dwellings, archeological, historical or cultural sites this location.

12. Operator's representative.

Driller - Ross Jacobs
405 West Mayfield
Grand Junction, Colorado
(303) 243-9685

Operator - Burton W. Hancock
1799 Hamilton Avenue
San Jose, California 95125
(408) 264-3114

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, true and correct; and, that the work associated with the operations proposed herein will be performed by Burton W. Hancock and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Nov 5, 1976
Date

Burton W. Hancock, Operator & Lessee
Name & Title

Conservation Division, U.S.G.S.
November 5, 1976

Supplement to Form 9-331 C
(in compliance with NTL-6)

1. Surface formation:
Mancos Shale

2. Estimated tops:

Dakota Silt	3400'
Upper Dakota Sandstone	3500'
Lower Dakota Sandstone	3530'
Cedar Mountain Formation	3580'
Morrison Formation	3610'

3. Estimated depths:

Water - none	
Oil - not expected	
Gas - Lower Dakota Sandstone	3530' to 3580'
Cedar Mountain Formation	3580' to 3610'
Brushy Basin Member, Morrison Formation	3675' to 3690'

4. Proposed casing program:

See Form 9-331 C; new casing

5. Operator's minimum specifications, pressure control equipment:
Blow-out equipment will be used.

- (1) Regan B.O.P., 3000 P.S.I. (Hyd. closing unit); tested to 1000 P.S.I. after cement job on surface casing.
- (2) Jacob's rotating head above B.O.P.,
- (3) Full shut-off gate valve on well and exhaust line

Testing frequency - daily.

6. Proposed circulating medium:

Air drilled. If mud needed, 920.

7. Auxiliary equipment:

- (1) Kelly cocks
- (2) Floats at the bit and string float.
- (3) A sub on the floor with a full opening valve to be stabbed into drill pipe when the Kelly is not in the string.

8. Testing, logging and coring:

No cores or drill stem tests.
An induction electrical (IES) log and a compensated formation density (FDC) log are planned.

9. Abnormal pressures, temperatures or potential hazards:

None expected; no hydrogen sulfide gases.

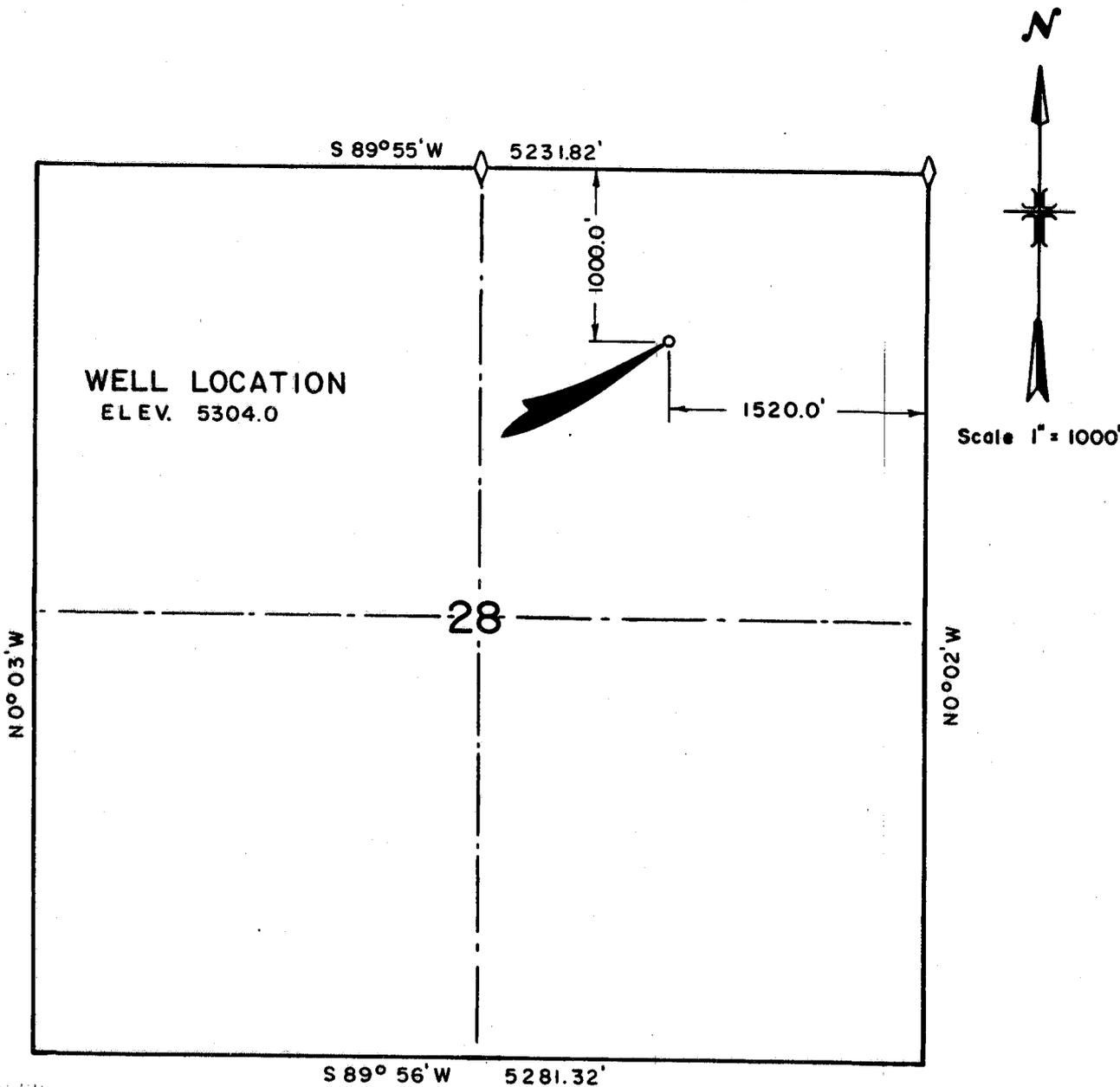
We have drilled another well in this section, and other producing wells in this field, and have had no problems we could not handle with our equipment and experience.

10. Anticipated starting date:

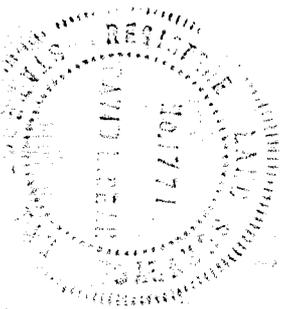
As soon as approval is received; we must start drilling on or before November 30; lease expires on December 1, 1976.

We anticipate completion by December 15, 1976.

WELL LOCATION
 1000.0 FT. S.N.L. - 1520.0 FT. W.E.L.
 SECTION 28, T17S R25E S.L.B. 8 & M.



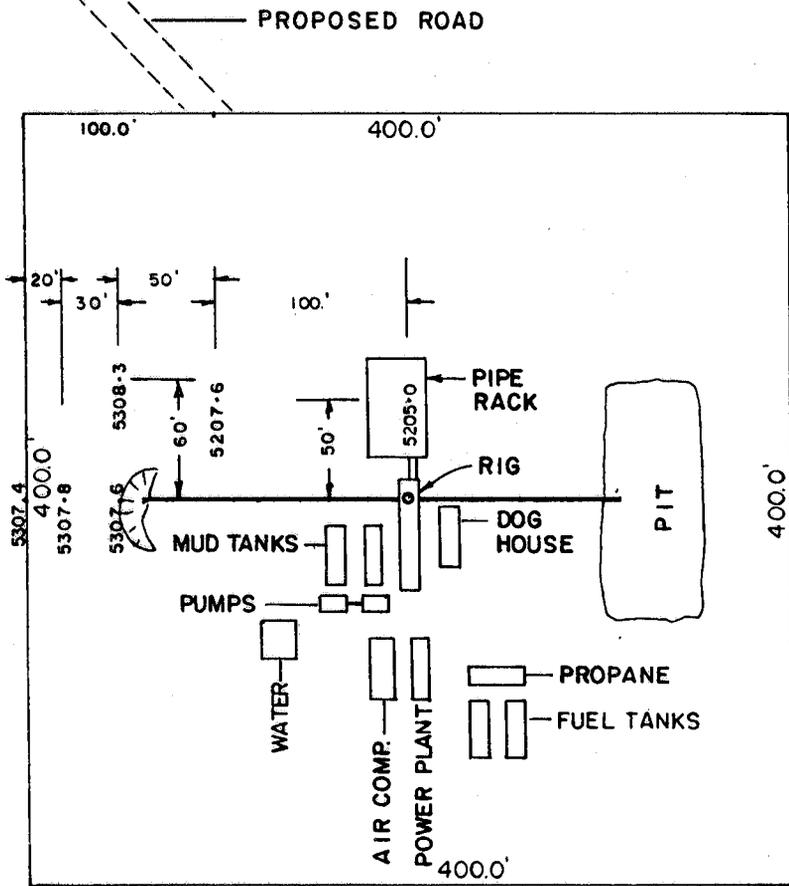
WELL LOCATION
 ELEV. 5304.0



I, David L. Bear do hereby certify that this plat was plotted from notes of a field survey made under my direct responsibility, supervision and checking on November 3, 1976.

David L. Bear
 Registered Land Surveyor

WESTERN ENGINEERS, INC. WELL LOCATION HANCOCK 56 GRAND COUNTY, UTAH SURVEYED C.J.B. DRAWN G.L.A. GRAND JUNCTION, COLO. 11/5/76



DRAIN TO
SAN ARROYO WASH

SECTION 28,
T17S R25E S.L.B. 8 M.

R.P. 200.0'	North	Elev. 5288.4
R.P. 200.0'	South	Elev. 5294.9
R.P. 200.0'	East	Elev. 5294.9
R.P. 200.0'	West	Elev. 5307.4

SCALE: 1" = 100'

WESTERN ENGINEERS, INC.

SITE LAYOUT

HANCOCK 56

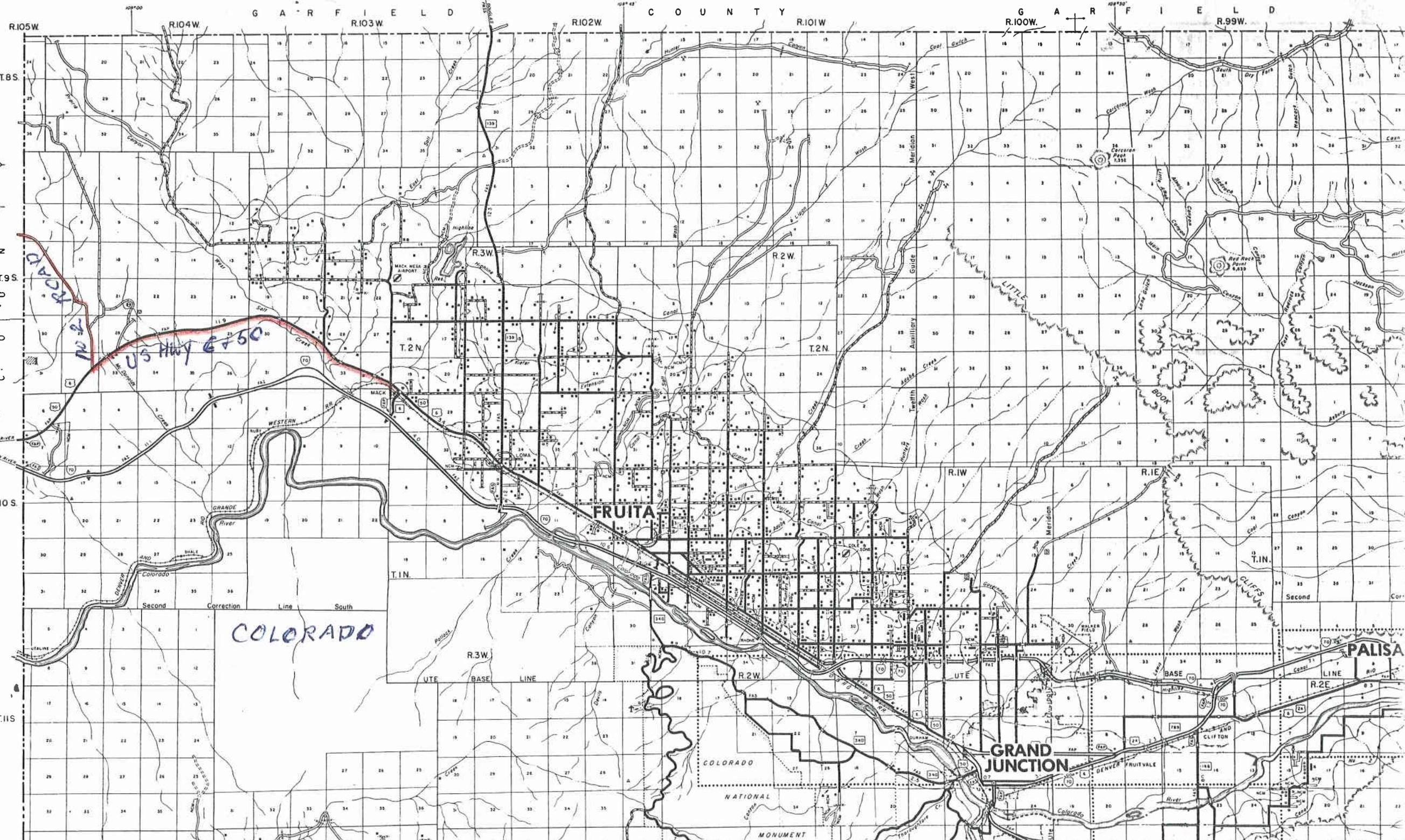
GRAND COUNTY, UTAH

Surveyed _____ Drawn G.L.A.

Grand Junction, Colo. 11/9/76

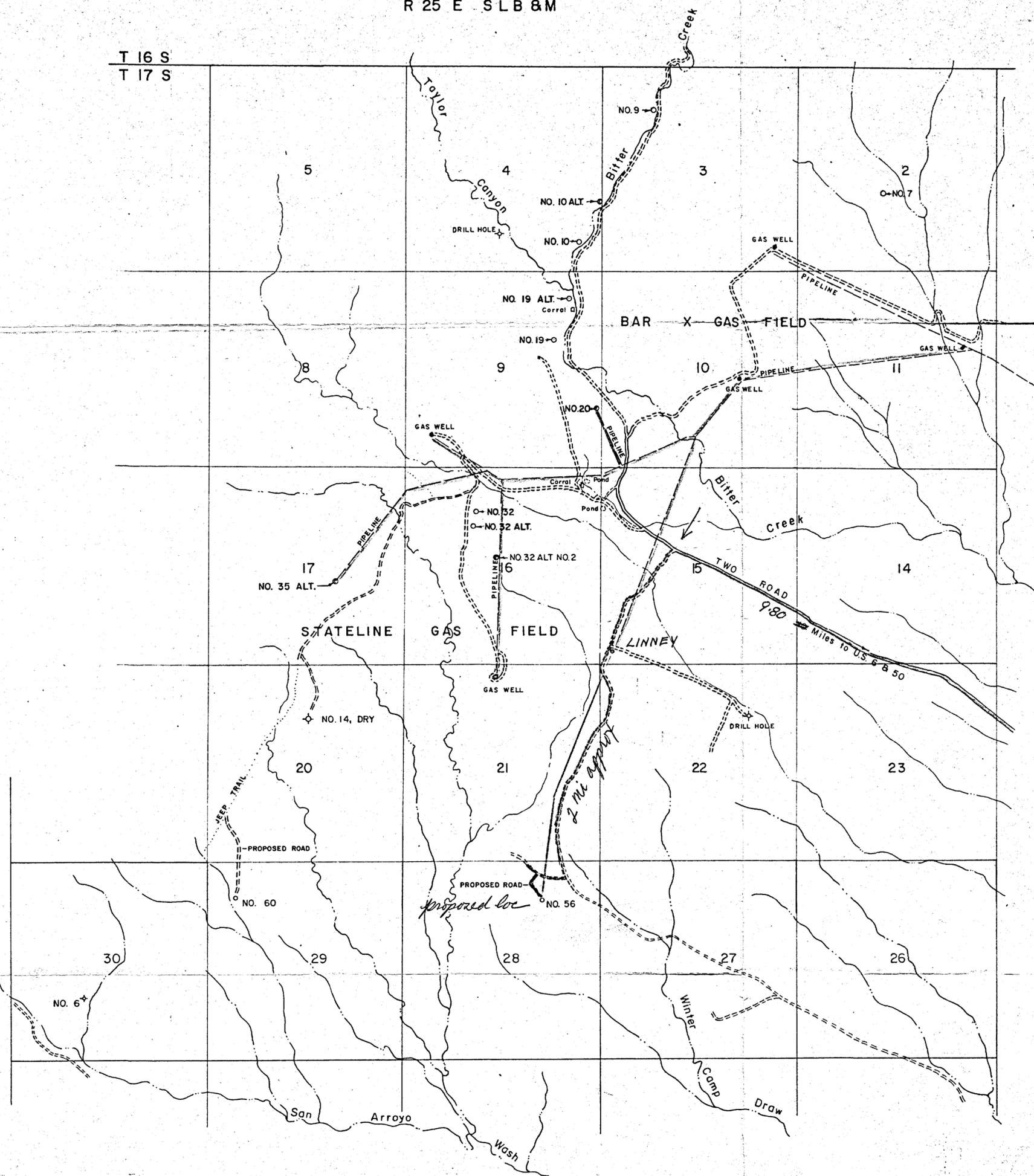
UTAH

ARIZONA



R 25 E S L B & M

T 16 S
T 17 S

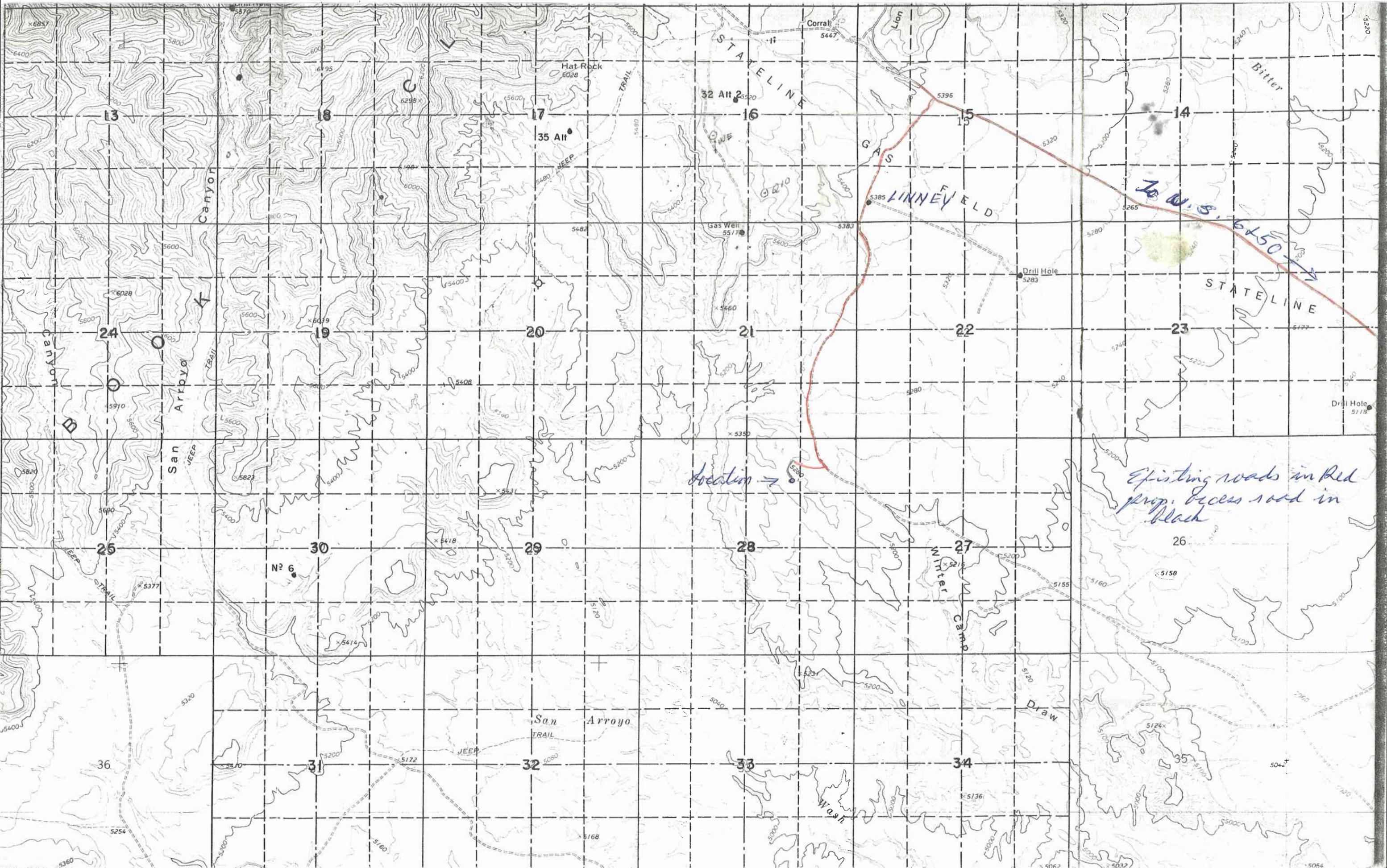


SCALE: 1" = 2000'

LEGEND

- MAIN ROAD
- - - - LATERAL ROAD
- EXISTING PIPELINE
- EXISTING WELL
- PROPOSED WELL
- ◇ DRY HOLE
- *proposed pipeline*
- *proposed access road*

REVISED 11/9/76 REVISED 1/27/75	WESTERN ENGINEERS, INC. MAP OF ROAD LOCATIONS TO HANCOCK GOV'T WELLS T17S R25E S.L.B.&M. GRAND COUNTY, UTAH DRAWN — G.L.A. —
	GRAND JUNCTION, COLO. 1-244-4 9/24/74



Location →

*Existing roads in Red
prop. access road in
black*

To U.S. 6450

LINNEY FIELD

STATELINE

STATELINE

Hat Rock
6028

Corral
5447

Gas Well
5517

Drill Hole
5283

Drill Hole
5118

N^o 6

San Arroyo
TRAIL

Water
Camp

Draw

Canyon

San Arroyo
TRAIL

Canyon

U.S. 6450

Bitter

13

18

17

16

15

14

24

19

20

21

22

23

25

30

29

28

27

26

36

31

32

33

34

35

3230

5064

5360

5254

5200

5160

5172

5168

5000

5136

5062

5032

5000

5124

5158

5120

5218

5400

5231

5040

5100

5200

5418

5414

5823

5377

5690

5820

6200

6400

6857

5570

6195

6298

5600

5600

5320

5400

5396

5385

5320

5265

5280

5240

5200

5230

5064

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING

** FILE NOTATIONS **

Date: Nov. 29, 1970
Operator: Burton Hancock
Well No. Hancock - Gas't No. 56
Location: Sec. 28 T. 17S R. 25E, County: Grand

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

Checked By:

Administrative Assistant: [Signature]

11-30-16
Remarks: Verbal approval given, as per telecon w/ CB7.

Petroleum Engineer: P.A.

Remarks:

Director: 7

Remarks:

Application contains insufficient information to grant Geological Exception
Nov. 30. I still disagree. Garglay's letter is meaningless as far as I am concerned
PAJ

Include Within Approval Letter:

Bond Required Survey Plat Required
Order No. _____ Surface Casing Change to 50' above hydro.
Rule C-3(c), Topographical exception/company owns or controls acreage within a 660' radius of proposed site
O.K. Rule C-3 O.K. In _____ Unit

Other:

Letter Written

W. DON QUIGLEY

OIL AND MINERALS CONSULTANT
803 PHILLIPS PETROLEUM BLDG. - SALT LAKE CITY, UTAH 84101

November 29, 1976

Mr. Cleon Feight
Director of Oil & Gas Division
Dept. of Natural Resources
1588 West N. Temple
Salt Lake City, Utah 84116

Re: Location of
Hancock Gov't No.56
Well-NW.NE-28-17S-25E.
Grand County, Utah

Dear Cleon:

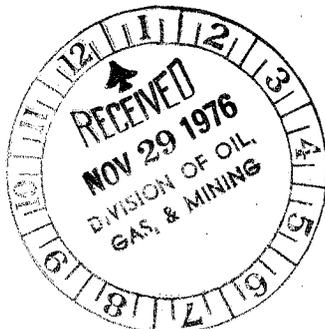
Mr. Hancock placed the location of the above well in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of Sec.28, T.17 S.,R.25 E.,S.L.M. The footages are 1000' from the north line and 1520' from the east line. This is not in accord with Rule C-3 for well locations. The location is in a flat area and is not limited because of topographic reasons. The position was chosen based on geophysical data which shows that there is a fault trending northeastward thru the approximate northeast corner of Section 28. The location is about 1200' west of the fault; but is also on the axis of a structural nose based on the data. It is a very favorable location.

I will send you a copy of the geophysical map showing the details regarding the above in the next day or so. All reproduction facilities are now closed for the day.

Sincerely yours,

W. Don Quigley
W. Don Quigley

Bats



U.S. GEOLOGICAL SURVEY, CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, SALT LAKE CITY, UTAH

Well	Location	Lease No.
BURTON W. HANCOCK #56	1520', FEL, 1000' FNL, SEC. 28 T17S. R25E, SLM, GRAND CO, UTAH GR EL 5304'	U-1531
<p>1. Stratigraphy and Potential Well will Spud in the MANCOS SHALE. Oil and Gas Horizons.</p> <p>BURTON W. HANCOCK well #6, sec. 30 same township, reports following tops: DAKOTA - 3465', CEDAR Mtns - 3550', BRUSHY BASIN - 3670', SALT WASH - 3946', SUMMERVILLE - 4210', CURTIS - 4235', ENTRADA - 4270'. T.D. 4287'.</p> <p>2. Fresh Water Sands.</p> <p>WRD report: see page 2.</p> <p>3. Other Mineral Bearing Formations. Within lands classified prospectively (Coal, Oil Shale, Potash, Etc.) VALUABLE for coal. DAKOTA coals are thin and lenticular and perhaps they are not present. See item 9.</p> <p>4. Possible Lost Circulation Zones. Lenticular sands of the DAKOTA, & CEDAR Mtn. FORMATIONS MAY CONTAIN lost circulation ZONES.</p> <p>5. Other Horizons Which May Need Special Mud, Casing, or Cementing Programs. UNKNOWN.</p> <p>6. Possible Abnormal Pressure Zones and Temperature Gradients. UNKNOWN.</p> <p>7. Competency of Beds at Proposed Casing Setting Points. Probably competent.</p> <p>8. Additional Logs or Samples Needed. NONE.</p> <p>9. References and Remarks outside K.G.S. see Fisher U.S.G.S. Bull. 852</p>		
Date: 11-23-76		Signed: Eileen Pera

JOAN STAGE O-G-M

Depths of fresh-water zones:

Viking Oil & Drilling Co., Larson Fed. 20-1, Wildcat

928' fw1, 2,622' fn1, sec. 20, T.18 S., R. 25 E., SLBM, Grand Co., Utah

Elev 5,012 ft, test to 2,000 ft

Casing proposed to 100 ft

Formation tops, approx.:

Alluvium over Mancos Shale	surface
Ferron Sandstone Mem	860 ft
Tununk Shale Mem	1,210 ft
Dakota Ss	1,340 ft
Morrison Fm	1,460 ft
Entrada Ss	2,130 ft

There are no water wells in the near vicinity of this test. Useable water, possibly fresh, may occur in sandstone units of the Mancos Shale. Useable water may occur in the Ferron Sandstone Mem, but deeper formations contain saline water or brine.

CTS

11-5-70

ATTACHMENT 2-A

Burton W. Hancock
 #56 NW NE Sec
 28-17s-25E
 4-1531
 Grand Co. Utah
 BLM - Nareply
 USGS - Alexander
 Hancock - Hancock

- ENHANCES
- NO IMPACT
- MINOR IMPACT
- MAJOR IMPACT

Construction	Pollution	Drilling Production	Transport Operations	Accidents	Others
Roads, bridges, airports	Burning, noise, junk disposal	Well drilling	Trucks	Spills and leaks	
Transmission lines, pipelines	Liquid effluent discharge	Fluid removal (Prod. wells, facilities)	Pipelines	Operational failure	
Dams & impoundments	Subsurface disposal	Secondary Recovery	Others		
Others (pump stations, compressor stations, etc.)	Others (toxic gases, noxious gas, etc.)	Noise or obstruction of scenic views			
		Mineral processing (ext. facilities)			
		Others			

Land Use	Forestry	Grazing	Wilderness	Agriculture	Residential-Commercial	Mineral Extraction	Recreation	Scenic Views	Parks, Reserves, Monuments	Historical Sites	Unique Physical Features
	WA	✓	WA	WB		WA	✓	✓			
Flora & Fauna	Birds	✓									
Land Animals	✓	✓									
Fish	WA										
Endangered Species	WA										
Trees, Grass, Etc.	✓	✓									
Phy. Charact.	Surface Water	WA									
Underground Water	?										
Air Quality	✓										
Erosion	✓	✓									
Other											
Effect On Local Economy	✓	0	0				0		0		
Safety & Health											
Others	ORIG-FILE CC - BLM-MOAB-W/O MATRIX ✓ REGIONAL MGR - DENVER UTAH STATE O-G-M ✓										

Lease U-1531

Well No. & Location # 36 NWNE Sec 28 - 17s - 25E

Grand County, Utah

ENVIRONMENTAL IMPACT ANALYSIS - ATTACHMENT 2-B

1. Proposed Action

Burton W. Hancock

PROPOSES TO DRILL AN OIL AND

GAS TEST WELL WITH ROTARY TOOLS TO ABOUT 2100 FT. TD. 2) TO CONSTRUCT A

DRILL PAD 80 FT. X 200 FT. AND A RESERVE PIT 20 FT. X 20 FT.

3) TO CONSTRUCT 14 FT. X .25 MILES ACCESS ROAD AND UPGRADE 14 FT.

X 2 MILES ACCESS ROAD FROM AN EXISTING AND IMPROVED ROAD.

2. Location and Natural Setting (existing environmental situation)

Location falls on flat area along gently sloping ridge.

Vegetation is moderate Pinon-Juniper & sage brush w/ assorted native grasses.

The wildlife is sparse Antelope deer and assorted small mammals and birds. There are no known endangered species.

SEE Item #11 of Surface use plan for additional information

3. Effects on Environment by Proposed Action (potential impact)

1) EXHAUST EMISSIONS FROM THE DRILLING RIG POWER UNITS AND SUPPORT TRAFFIC ENGINES WOULD ADD MINOR POLLUTION TO THE ATMOSPHERE IN THE LOCAL VICINITY.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR VISUAL IMPACTS FOR A SHORT TERM DUE TO OPERATIONAL EQUIPMENT AND SURFACE DISTURBANCE.

4) TEMPORARY DISTURBANCE OF WILDLIFE AND LIVESTOCK.

5) MINOR DISTRACTION FROM AESTHETICS FOR SHORT TERM.

6)

4. Alternatives to the Proposed Action

1) NOT APPROVING THE PROPOSED PERMIT -- THE OIL AND GAS LEASE GRANTS THE LESSEE EXCLUSIVE RIGHT TO DRILL FOR, MINE, EXTRACT, REMOVE AND DISPOSE OF ALL OIL AND GAS DEPOSITS.

2) DENY THE PROPOSED PERMIT AND SUGGEST AN ALTERNATE LOCATION TO MINIMIZE ENVIRONMENTAL IMPACTS.

3) *No nearby sites could be found that would justify this action.*

5. Adverse Environmental Effects Which Cannot Be Avoided

1) MINOR AIR POLLUTION DUE TO EXHAUST EMISSIONS FROM RIG ENGINES AND SUPPORT TRAFFIC ENGINES.

2) MINOR INDUCED AND ACCELERATED EROSION POTENTIAL DUE TO SURFACE DISTURBANCE AND SUPPORT TRAFFIC USE.

3) MINOR AND TEMPORARY DISTURBANCE OF WILDLIFE.

4) TEMPORARY DISTURBANCE OF LIVESTOCK.

5) MINOR AND SHORT-TERM VISUAL IMPACTS.

6)

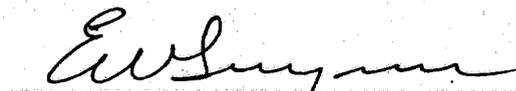
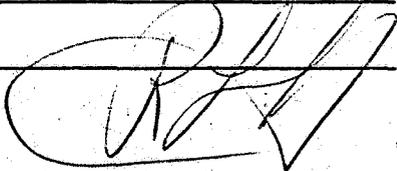
6. Determination

(This requested action ~~does~~ (does not) constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102(2) (c).

Date Inspected

11-23-76

Inspector



U.S. Geological Survey,
Conservation Division
Salt Lake City District
Salt Lake City, Utah

November 30, 1976

Burton W. Hancock
c/o W. Don Quigley
803 Phillips Petroleum Bldg.
Salt Lake City, Utah 84101

Re: Well No. Hancock Gov't. #56
Sec. 28, T. 17 S, R. 25 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Said approval is, however, conditional upon the following:

- a) Supplying this Division with a copy of the geophysical map referred to in Mr. Quigley's letter of November 29, 1976.
- b) Cement between the 4 1/2" casing and the hole will be filled to a minimum of 250 feet above the uppermost hydrocarbon zones in all areas.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Burton W. Hancock
November 30, 1976
Page Two

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

The API number assigned to this well is 43-019-30333.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

/SW

cc: U.S. Geological Survey