

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **9-13-85**
 LAND FEE & PATENTED _____ STATE LEASE NO **ML-28199** PUBLIC LEASE NO _____ INDIAN _____
 DRILLING APPROVED: **9-26-85 - GAS**
 SPUDDED IN: _____
 COMPLETED: _____ PUT TO PRODUCING: _____
 INITIAL PRODUCTION: _____
 GRAVITY A.P.I. _____
 GOR: _____
 PRODUCING ZONES: _____
 TOTAL DEPTH: _____
 WELL ELEVATION: **6238' 9"**
 DATE ABANDONED: **L.A.I.D 5-8-87**
 FIELD: **BUZZARD BENCH**
 UNIT: **ORANGEVILLE**
 COUNTY: **EMERY**
 WELL NO **ORANGEVILLE UNIT 14-2** API #**43-015-30223**
 LOCATION **514' FSL** FT. FROM (N) (S) LINE. **2074' FWL** FT. FROM (E) (W) LINE. **SE SW** 1/4 - 1/4 SEC. **2**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				19S	7E	2	BWAB INCORPORATED

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

5. Lease Designation and Serial No.

ML-28199

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

Orangeville Unit

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

Orangeville Fed. Unit

2. Name of Operator

BWAB Incorporated

(303) 695-7444

9. Well No.

14-2

3. Address of Operator

1801 California St., Suite 1000 CC4, Denver, Colorado 80202

10. Field and Pool, or Wildcat

Wildcat BUZZARD BENCH

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At surface

2074 FWL; 514 FSL

(SE SW)

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 2-19S-7E

At proposed prod. zone

same

14. Distance in miles and direction from nearest town or post office*

Approximately 6.5 miles SW of Orangeville, UT

12. County or Parrish

Emery

13. State

UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. line, if any)

514

16. No. of acres in lease

629.92

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.

2640'

19. Proposed depth

2530' *Ferron*

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, BT, GR, etc.)

6238 (ground)

22. Approx. date work will start*

October 1, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/2"	8-5/8"	24#	120'	150 lbs
7-7/8"	5 1/2"	15.5#	2530'	150 lbs

RECEIVED

1. Drill to TD of 2530' (Ferron).
2. Run 5 1/2" casing if commercial production is indicated.
3. If dry hole, P&A as instructed by the State of Utah.
4. Well will be drilled with compressed air, tested open hole and mud up to run 5 1/2" casing.
5. Well control equipment will include double hydraulic system of 900 Series. A fillup line will be installed, equipment pressure mechanically checked daily while drilling.

SEP 13 1985

DIVISION OF OIL
GAS & MINING

Well Name: Orangeville Fed. Unit 14-2

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: Robert C. Arceneaux Title: Vice President Operations Date: September 11, 1985

(This space for Federal or State office use)

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

Permit No. 43-015-30223

Approval Date: 9/24/85 Date

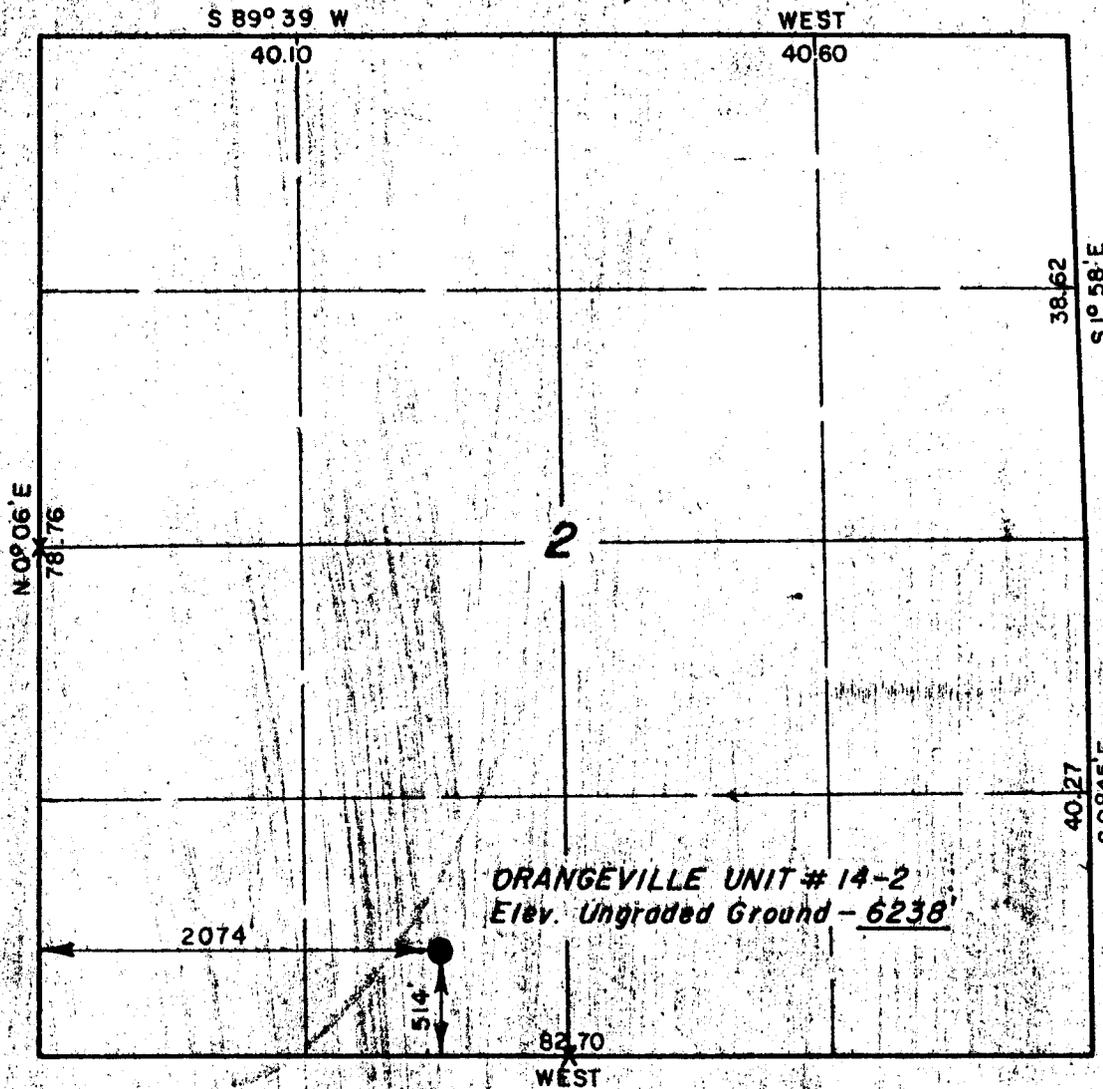
Approved by: _____
Conditions of approval, if any:

BY: John K. Dase
WELL SPACING: A-3 Unit well

T19S, R7E, S.L.B. & M.

PROJECT

Well location, *ORANGEVILLE UNIT # 14-2*,
located in the SE 1/4 SW 1/4, Section 2,
T19S, R7E, S.L.B. & M., Emery County,
Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence R. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

X = Located Section Corner

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

SCALE	1" = 1000'	DATE	8/26/85
PARTY	DB, RB, JS DLS	REFERENCES	GLO Plat
WEATHER	FAIR	FILE	Chandler

September 11, 1985

Utah Division of Oil, Gas and Mining
355 W. North Temple
Salt Lake City, UT 84180

RE: 10 Point Program
Orangeville Fed. Unit 14-2
SE SW Sec. 2-19S-7E
Emery County, UT

Gentlemen:

Enclosed is the additional information required for permitting the above well.

1. Surface Formation: Emery
2. Geological Markers: Bluegate Shale 600'
Ferron 2530'
3. Producing Formations: Ferron - Gas
4. Expected Water Zones: Ferron
5. Pressure Control Equipment: BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout prevent controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure-tested before drilling casing plugs. The Resource Area will not be notified in advance when pressure tests are to be conducted. The BOP will be: a) Shaffer 10" 900 double hydraulic with Payne closing unit. One set rams blind and one set 4" drill pipe; b) 10" 900 rotary head for use while air or mist drilling. Schematic diagram attached. The BOP test pressure will be 1500 PSI.
6. Circulating Medium: Well will be drilled with compressed air and mist if required. Mud up will occur for running casing only. Bloopie line will be misted to reduce fugative dust when air drilling

7. Auxiliary Equipment:
- (a) Drill String Floats will be used
 - (b) Float will be used
 - (c) No monitoring on mud system will be used for drilling
 - (d) Stabbing valve will be used for drill pipe
8. Casing Program:
- Surface - 8-5/8", 24#, Grade K-55, New
Production - 5½", 15.5#, Grade K-55, New
- Anticipated cement tops will be reported as to depth, not the expected number of sacks. The Resource Area will not be notified in advance when running casing strings and cement.
9. Testing Program:
- No DST's will be run.
No cores are anticipated
DIL-SP-GR
FDC-CNL-GR
BHC-Sonic-GR
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.
10. Abnormal Conditions
Possible Hazards
- No abnormal high pressure, temperatures or hydrogen sulfide gas should be encountered. Productive Zone is Normal in pressure and gas analyses indicate no H₂S hazard.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order NO. 1 and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

Anticipated Starting Dates and Notification of Operations

The operator will contact the San Rafael Resource Area at (801) 637-4584, forty-eight (48) hours prior to beginning any dirt work on this location.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

Anticipated Starting
Dates and Notification
of Operations

The spud date (will/will not) be reported orally to the Area Manager within a minimum of twenty-four (24) hours prior to spudding. Written notification in the form of a Sundry Notice (form 3160-5) will be submitted to the District Office within twenty-four (24) hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of HIL-3A.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

Anticipated Starting
Dates and Notification
of Operations

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows:

The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable. "Well number, location by $\frac{1}{4}$ section, township and range". "Lease number".

Estimated Starting Date is October 1, 1985 with operations being conducted for 10 days.

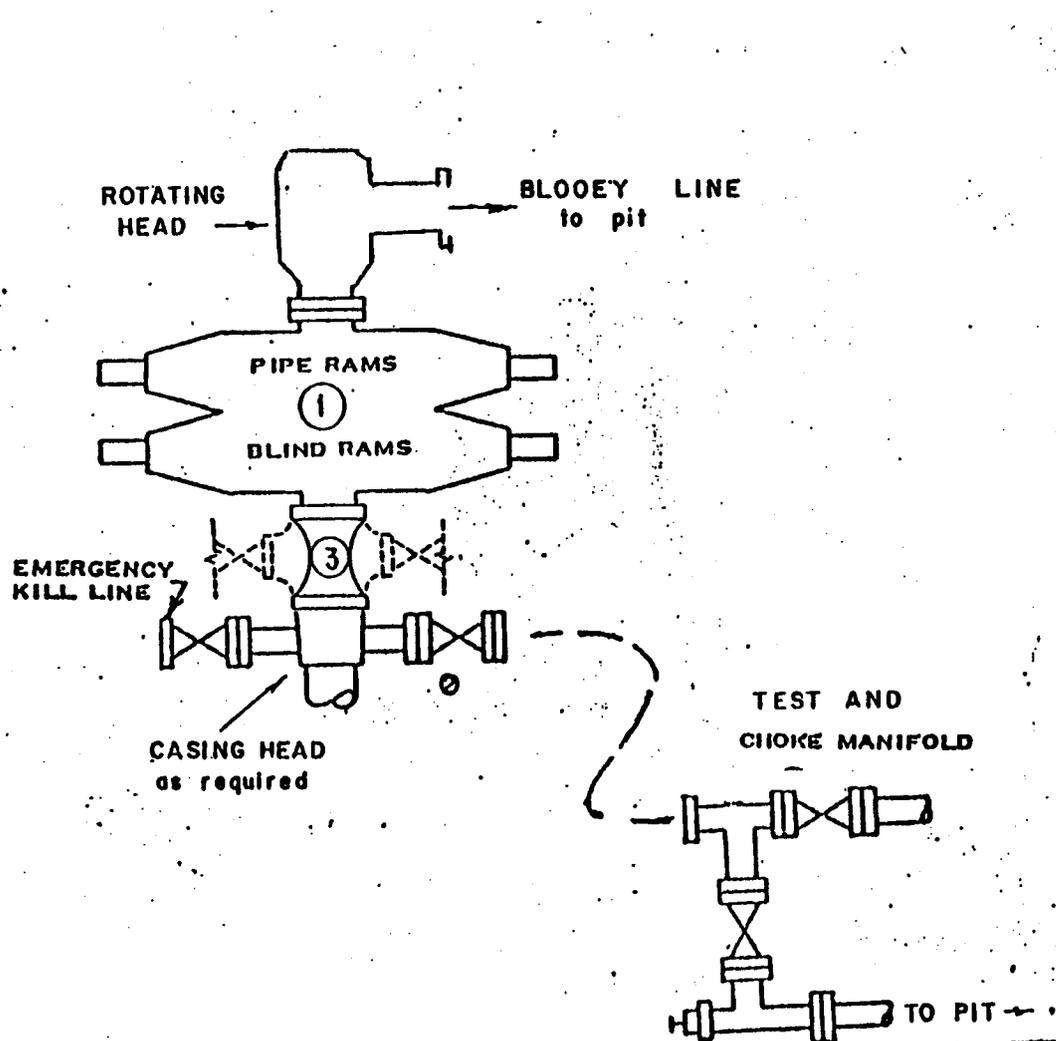
Please notify us if any additional information is necessary for the permitting of this well.

Yours truly,


Robert C. Arceneaux

Attachments

DOUBLE PREVENTER



- ① SERIES 900 RAM-TYPE BOP
- ② 2" SERIES 900 VALVE
- ③ SERIES 900 DRILLING SPOOL

..... OPTIONAL EQUIPMENT

3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP
(SERIES 900 FLANGES OR BETTER)

DESIGNATION OF AGENT

The undersigned is, on the records of the Bureau of Land Management, Unit Operator under the Orangeville unit agreement, Emery County, Utah (state), No. 14-08-0001-20388 approved March 25, 1982 and hereby designates:

NAME: BWAB Incorporated

ADDRESS: 1801 California Street, 1000 CC4
Denver, CO 80202

as its agent, with full authority to act in its behalf in complying with the terms of the Unit Agreement and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to drilling, testing, and completing unit well No. Federal 14-2 in Section 2 : SESW, T. 19 S , R. 7 E , Emery County, Utah.

It is understood that this designation of agent does not relieve the Unit Operator of responsibility for compliance with the terms of the unit agreement and the Oil and Gas Operating Regulations. It is also understood that this designation of agent does not constitute an assignment of any interest under the unit agreement or any lease committed thereto.

In case of default on the part of the designated agent, the Unit Operator will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The Unit Operator agrees promptly to notify the Chief, Branch of Fluid Minerals of any change in the designated agent.

This designation of agent is deemed to be temporary and in no manner a permanent arrangement.

This designation is given only to enable the agent herein designated to drill the above-specified unit well. Unless sooner terminated, this designation shall terminate when there is filed in the appropriate district office of the Bureau of Land Management a completed file of all required Federal reports pertaining to subject well. It is also understood that this designation of agent is limited to field operations and does not cover administrative actions requiring specific authorization of the Unit Operator.

ATTEST:

Diana J. Ley, Assistant Secretary

CHANDLER & ASSOCIATES, INC.



Unit Operator

Patti H. Simpson, Vice President

By: _____

Applicant: BWAB Incorporated
Address: 1801 California Street
Denver, Colorado 80202
Telephone: (303) 295-7444

APPLICATION AND PERMIT
for
ROADWAY ENCROACHMENT
APPLICATION

BWAB Incorporated (Applicant) hereby applies for a permit to encroach upon a roadway within Emery County known as Justesen Farm Road, 2.5 miles for the purpose of Access road to 3 drill site locations (See enclosed Legal Discriptions). Said encroachment is proposed at the following location upon said roadway: The county road is located in Sections 1,2,3 of T19S-R7E and is described as Justesen Farm Road.

Appliant proposes work to begin on See enclosed memo 198 and to be completed on or before _____, 198_. Applicant acknowledges that any change in purpose or location requires an amended application.

A processing fee of \$10 is tendered with this Application.

Applicant agrees to comply with all laws, ordinances and regulations of all governmental agencies, including, but not limited to, Emery County, as well as instructions of the Emery County Road Department Supervisor or his indicated representative. Applicant acknowledges receipt of a copy of Ordinance No. 7-6-83C.

Appliant acknowledges that certain fees will be due before any permit is issued. Fees will be calculated according to the Emery County Roadway Right-of-Way Encroachment Ordinance, Ordinance No. 7-6-83C.

DATED this 30 day of August, 1985.

Appliant: BWAB Incorporated
By: David M. Burnett
Title: Agent (Regulatory Coordinator)

ATTACHMENT TO ROAD ENCROACHMENT APPLICATION:

1. Orangeville Fed. Unit 4-1
NW NW Sec. 1-19S-7E
Emery County, Utah

Work to begin on September 20, 1985 and will be completed Nov. 1, 1985

2. Orangeville Fed. Unit 1-22
NE NE Sec. 11-19S-7E
Emery County, Utah

Work to begin on October 1, 1985 and will be completed October 20, 1985

3. Orangeville Fed. Unit 14-2
SE SW Sec. 2-19S-7E
Emery County, Utah

Work TO begin of November 1, 1985 and will be completed November 20, 1985



Grand River Institute

29 August 1985

BWAB, Inc.
1801 California Street, 1000 CC4
Denver, Colorado 80202

Re: GRI Project No. 8536 - Cultural resources inventory of Orangeville
Units #14-2, 1-11, and 4-1 and related access in Emery County, Utah

Dear Sirs:

Enclosed is a copy of our report on the project cited above. Copies
have been distributed to the individuals listed below as well.

Also enclosed is a statement for this work; I would be grateful if you
would forward it to the appropriate department for payment. Our terms
are 30 days net.

Please give me a call if you have any questions.

Sincerely,



Carl E. Conner
Director

CEC:ld

Enc.

Distribution:

Dave Burnett, Chandler & Associates, Denver - 1
Rich Fike, The Bureau of Land Management, State Office - 1
Bruce Louthan, The Bureau of Land Management, Moab Dist. - 1
Blaine Miller, The Bureau of Land Management, Price Area - 1
LaMar Lindsay, Division of State History - 1

Cultural Resources Inventory Report
on
Proposed Orangeville Units #14-2, 1-11, and 4-1 and Related Access
in Emery County, Utah
for
BWAB, Inc.

GRI Project No. 8536

29 August 1985

Prepared by

Grand River Institute

P. O. Box 3543

Grand Junction, Colorado 81502

Utah BLM Antiquities Permit No. 84-UT-54939

Division of State History Permit No. U-85-21-572BS

Submitted to

The Bureau of Land Management

Moab District Office

P.O. Box 970

Moab, Utah 84532

Report Title Orangeville Unit 114-2, 1-11, 4-11

Development Company BWAB, Inc. of Denver, Colorado

84-01-54939
 4. Antiquities Permit No. U-85-21-572BS

Report Date 08 | 11 9 85
41 62 MONTH 43 YEAR 46

Responsible Institution Grand River Inns County Emery

Fieldwork Location: TWN 19 S Range 7 E Section(s) 02 | 11 | 01 |
62 63 66 69 70 71 72 73 74 75 76 77
 TWN Range Section(s) | | |
78 81 82 85 86 87 88 89 90 91 92 93
 Resource Area PR TWN Range Section(s) | | |
110 111 94 97 98 101 102 103 104 105 106 107 108 109

20 = BONY EXPRESS, 3R = BEAR RIVER, PR = PRICE RIVER, WS = WARM SPRINGS
 21 = BOOK CLIFFS, H = HOUSE RANGE, SE = SEVIER RIVER
 HM = HENRY MOUNTAINS, BE = BEAVER RIVER, DX = DIXIE
 KA = KANAB, ES = ESCALANTE, SJ = SAN JUAN, GR = GRAND
 SR = SAN RAFAEL, OM = OLMEDO MOUNTAIN
 FMI in spaces 65, 69, 81, 85, 97, 101 Only if:
 V = Vernal Meridian
 H = Half Township

Description of Examination Procedures:

A 100% pedestrian survey of each of the three well sites was made by walking a pattern of concentric circles around the center stake to a diameter of approx. 750'. Access roads were walked in zigzag transects to cover a swath 200' wide.

Linear Miles Surveyed and/or 0.41
112 117
 Definable Acres Surveyed and/or 3101
118 123
 Legally Undefinable Acres Surveyed
124 129
 (*A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type I
130
 R = Reconnaissance
 I = Intensive
 S = Statistical Sample

Description of Findings (attach appendices, if appropriate)

No cultural resources were identified.

12. Number Sites Found: 0
131 133
 No sites = 0
 13. Collection: N Y=Yes, N=No
136

Actual/Potential National Register Properties Affected:

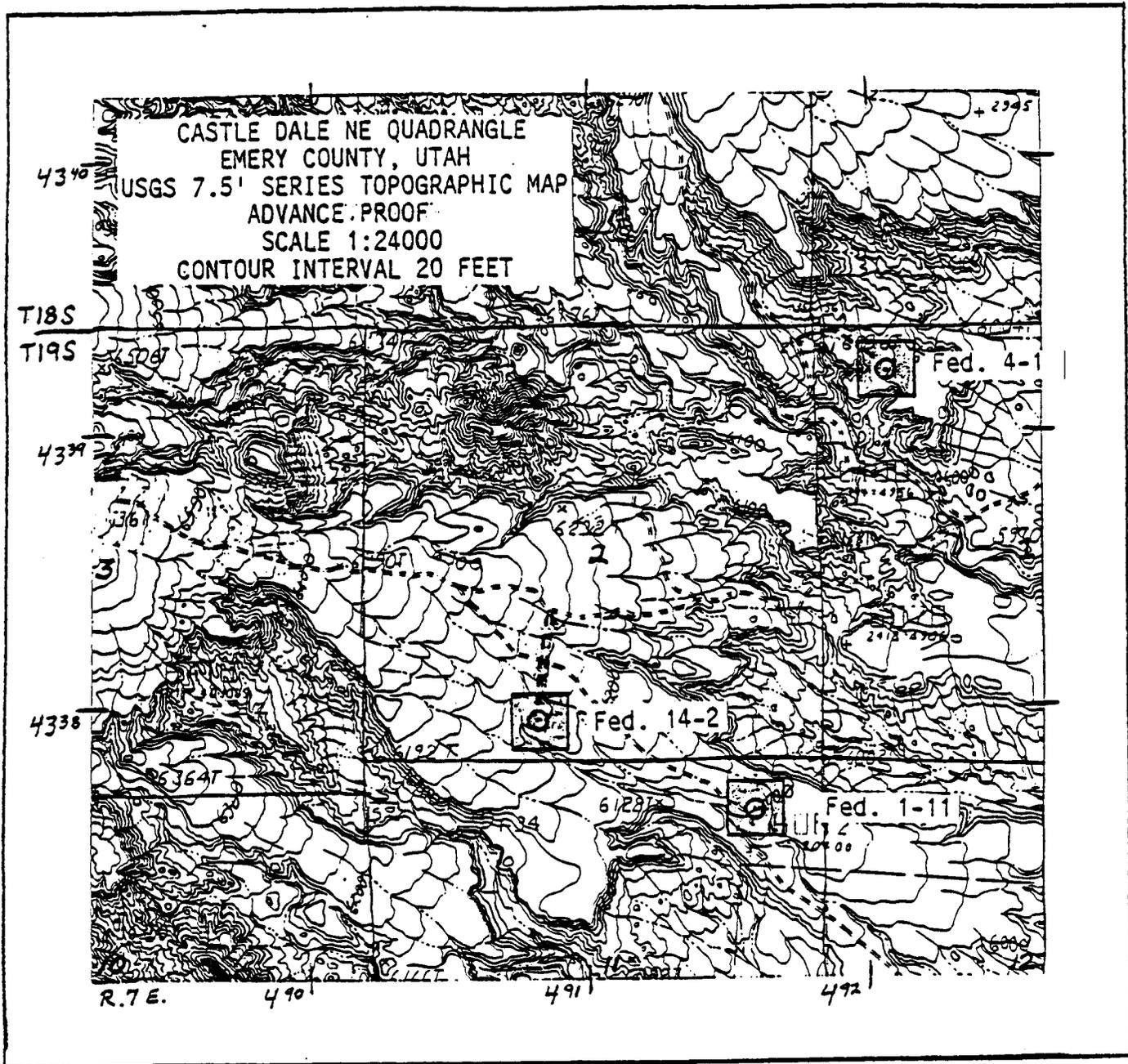
None.

Literature Search, Location/Date: Division of State History, 8/23/85
 BLM Price Area Office 8/23/85

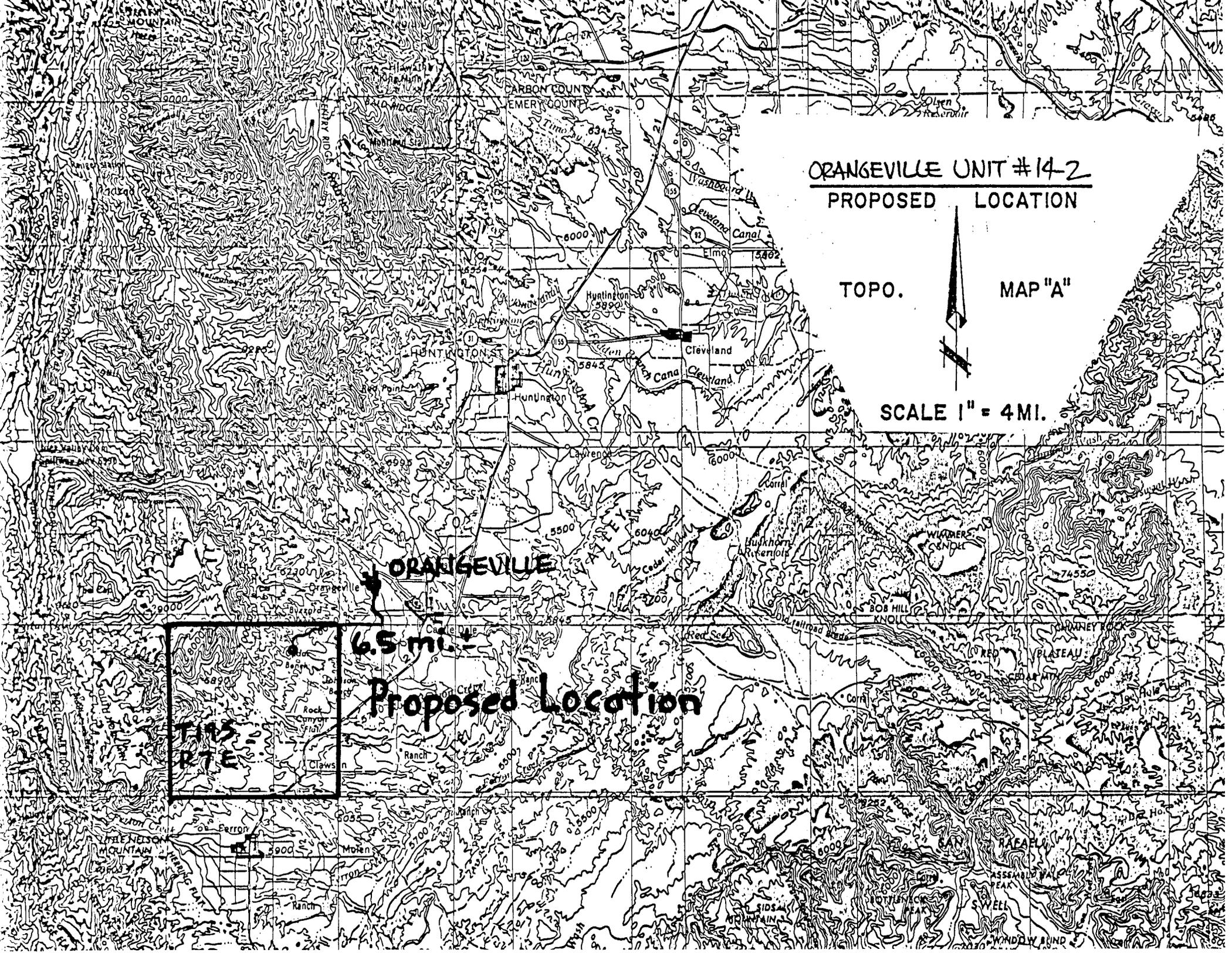
Conclusion/Recommendations:

No further consideration of cultural resources need be given the surface extent of this project.

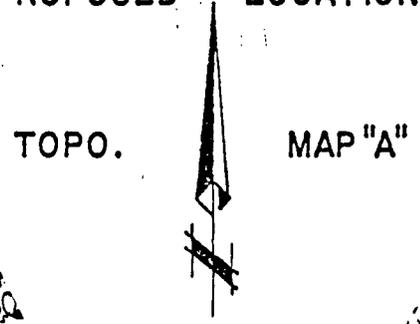
Signature of Administrator & Field Supervisor: Administrator Carl E. Conner Carl E. Conner
 Field Supervisor Carl E. Conner Carl E. Conner



Cultural resources inventory of proposed Orangeville Units #14-2, 1-11, and 4-1 and related new access in T. 19S., R. 7E., Sections 2, 11, and 1, Emery County, Utah, for BWAB, Inc. Areas surveyed for cultural resources are highlighted. [GRI 8536, 8/29/85]

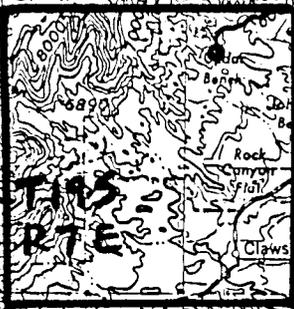


ORANGEVILLE UNIT #14-2
PROPOSED LOCATION



TOPO. MAP "A"

SCALE 1" = 4 MI.

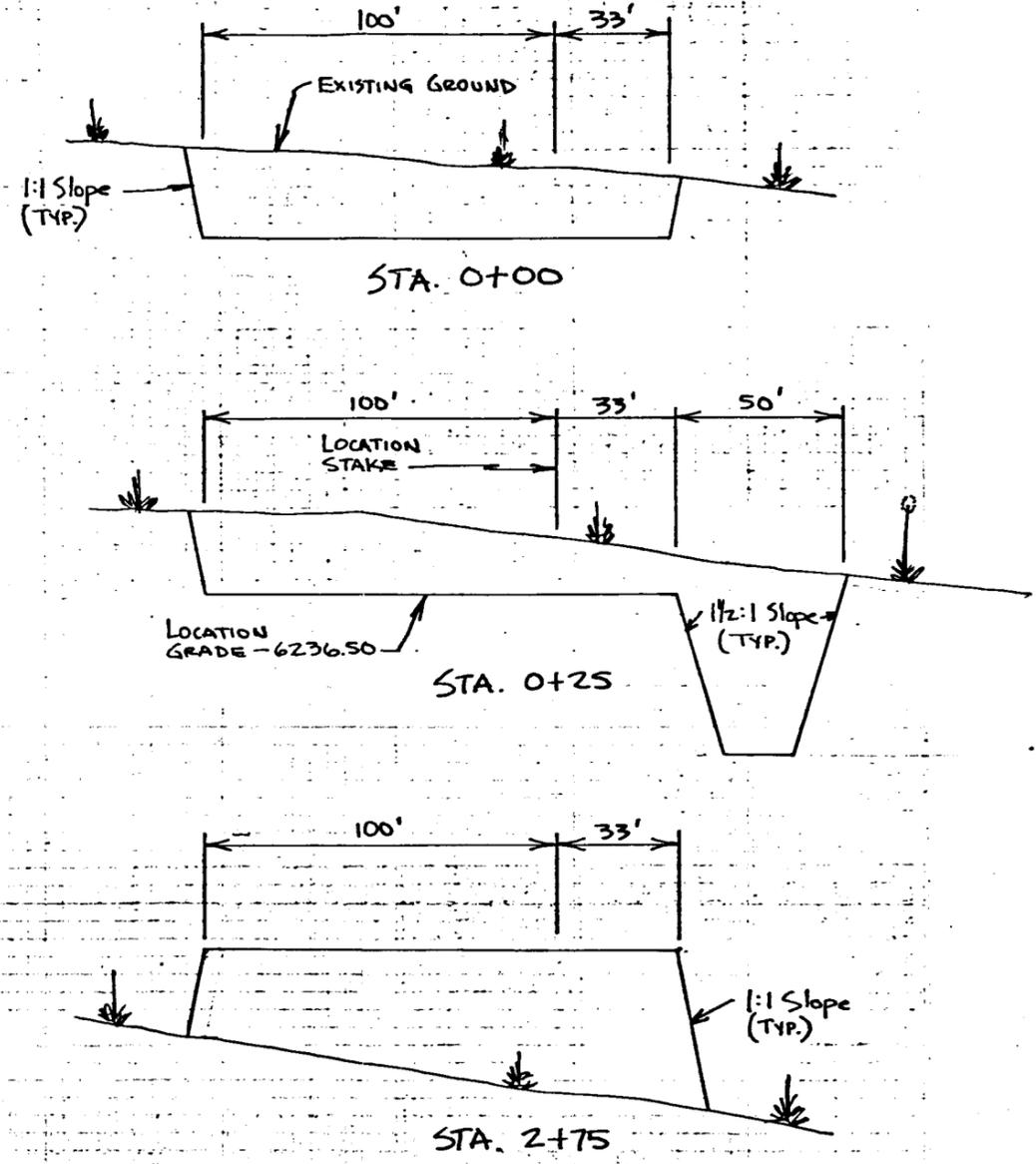


ORANGEVILLE
6.5 mi.
Proposed Location

ORANGEVILLE UNIT # 14-2

LOCATION LAYOUT & CUT SHEET

C
R
O
S
S
S
E
C
T
I
O
N
S



1" = 10'

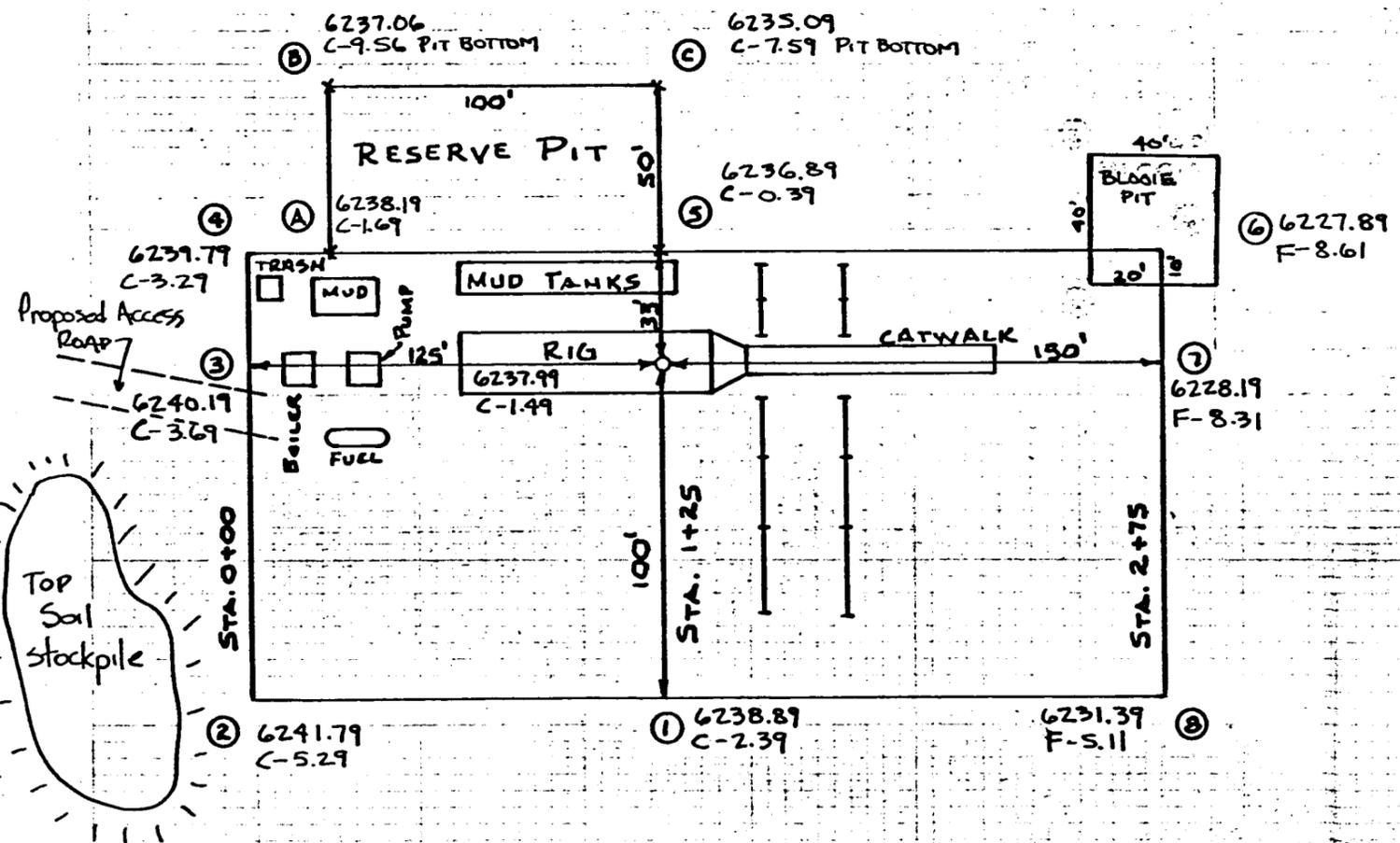
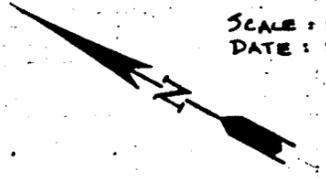
SCALES

1" = 50'

APPROXIMATE YARDAGES

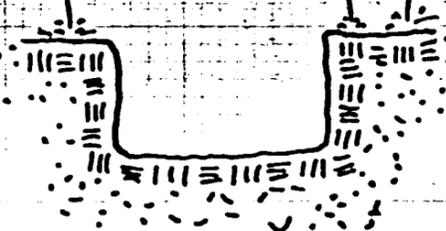
CUBIC YARDS CUT - 3959.30
 CUBIC YARDS FILL - 3225.19
 UNBALANCE AFTER 20% COMPACTION - 89.07 Cu. Yds. CUT.

SCALE: 1" = 50'
 DATE: 8/26/85



SOILS LITHOLOGY

- NO SCALE -



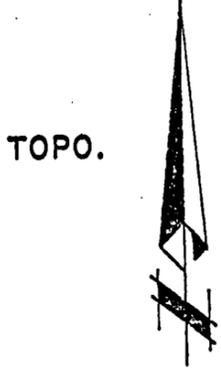
LIGHT BROWN SANDY CLAY

3762 N NW (MAHOGANY POINT)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

111°07'30" 39°15' 1900000E 491 JOES VALLEY RESERVOIR 11 MI. 5' 93 R7E R8E 94 (A)

ORANGEVILLE UNIT #14-2
PROPOSED LOCATION

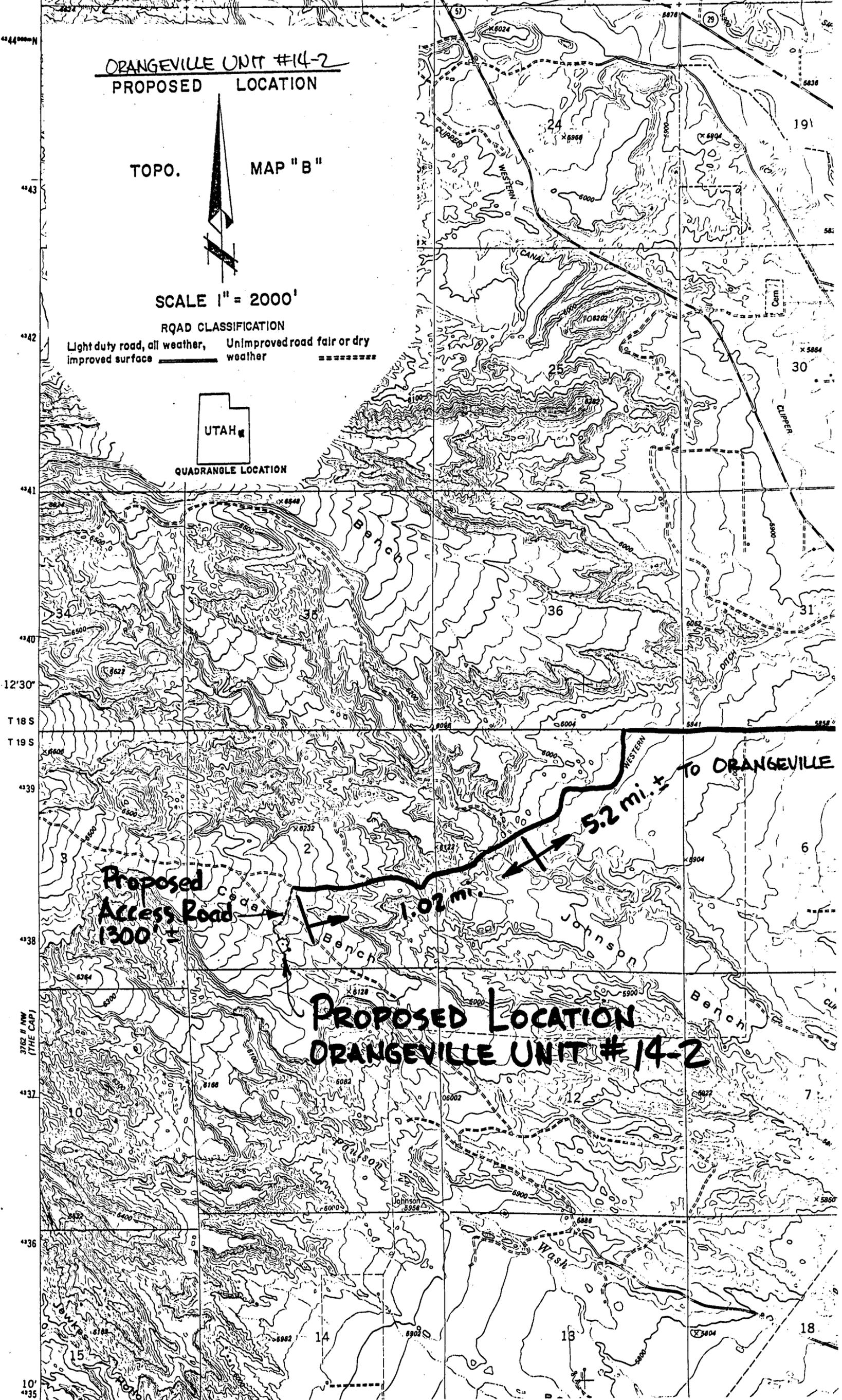


SCALE 1" = 2000'

RQAD CLASSIFICATION
Light duty road, all weather, improved surface Unimproved road fair or dry weather



UTAH
QUADRANGLE LOCATION



Proposed
Access Road
1300'

5.2 mi. to ORANGEVILLE

PROPOSED LOCATION
ORANGEVILLE UNIT #14-2

3762 N NW
(THE CAP)

10' 35

ONSITE PREDRILL INSPECTION FORM

COMPANY CHANDLER AND ASSOCIATES WELL NO. ORANGEVILLE UNIT STATE # 14-2

LOCATION: SECTION SE₂SW TOWNSHIP 19S RANGE 7E COUNTY EMERY

LEASE NO. _____ ONSITE INSPECTION DATE SEPTEMBER 4, 1985

(A) PERSONS IN ATTENDANCE JEAN DOUTRE, AND WILLIAM MOORE OF D.O.G.M.
MERVIN MILES OF BLM. JEFF WARDELL, EARTH CONTRACTOR, DAVE BURNETT, COMPANY MAN.

(B) SURFACE FORMATION AND CHARACTERISTICS The surface structure is silty and Sand that forms a ball when wet and when rolled in the hand does not disintegrate until less than 1/2 inch diameter. Outcrops of brown Sandstone and cobble rock are usual.

(C) BRIEF DESCRIPTION OF VEGETATION Scattered Juniper, Cedar, Pinion Pine, Sagebrush, Shadscale, and other small bushes, and sparse amount of grasses.

(D) ARCHAEOLOGICAL CLEARANCE: YES OR NO This area has had several wells drilled around it. There are no known Archaeological Sites in the area.

(E) DESCRIPTION OF TOPOGRAPHY (drainages, slope, roads, etc.) It is rolling foothill draining from High Mountain 1 mile to the North. It is dissected with deep and shallow watercourses tending Southward. The Roads are eroded earth and Mancos shale which are usually difficult or impassable in winter mud conditions, unless they are upgraded.

(F) CONDITIONS FOR APPROVAL: This well will be drilled by Air. with a Bluey pit.
PIT LINING (YES OR NO) No, unless they encounter water or are forced to use Mud.
TYPE OF LINING IF NEEDED Bentonite Clay lining on the base and sides of the pit.

ADDITIONAL REQUIREMENTS The Pad Outline has been turned between 2 shallow Watercourses so that no part will be dissected by a water course. The Roadways crossing a watercourse will be graded down to form low water crossings to avoid erosion

SIGNATURE: _____

TITLE _____

Jean Lester Dautre *Fields Specialist*

OPERATOR BWB Inc DATE 9-18-85

WELL NAME Orangerville Unit 14-2

SEC SE SW 2 T 19S R 7E COUNTY Emery

43-015-30223
API NUMBER

State
TYPE OF LEASE

CHECK OFF:

- PLAT
- LEASE
- BOND
- FIELD
- NEAREST WELL
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

Unit Well

Need water permit

D.O. from Chandler rec'd.

Prosite insp. ✓

APPROVAL LETTER:

SPACING: A-3 Orangerville UNIT c-3-a _____ CAUSE NO. & DATE

c-3-b c-3-c

STIPULATIONS:

1 - Water

BWAB INCORPORATED



CERTIFIED
RETURN RECEIPT REQUESTED

September 19, 1985

Ms. Arlene Sollis
State of Utah
Oil and Gas Commission
3 Triad Center
355 W.N. Temple,
Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

SEP 24 1985

DIVISION OF OIL
GAS & MINING

Dear Ms. Sollis:

In response to our telephone conversation today, enclosed is the Blanket Bond covering State lands.

Please handle this bond for our account. Thank you.

Very truly yours,

BWAB INCORPORATED

Joan Timms
Production Accounting Manager

JT/tkh

Encl.

PERMIT

Application having been made by BWAB Incorporated through David M Burnett, Agent, its authorized agent and fees and a bond in the above-mentioned amount having been received, reviewed and accepted, and the Application having been reviewed and accepted, permission is hereby granted Applicant to proceed with Access road to 3 drilling locations at the following location, Justesen Farm Road, #5-11, Orangeville, Emery County, Utah.

Ronald Barney
Superintendent

Emery County Road Department

By Carol J Ware

INSPECTION AND RELEASE

Supervisor having inspected said site on _____, 19____, finds the following deficiencies which must be corrected before release can be considered: _____

Superintendent

Emery County Road Department

By _____



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

155 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

September 26, 1985

BWAB Incorporated
1801 California Street, Suite 1000 CC4
Denver, Colorado 80202

Gentlemen:

Re: Well No. Orangeville Unit 14-2 - SE SW Sec. 2, T. 19S, R. 7E
514' FSL, 2074' FWL - Emery County, Utah

Approval to drill the above-referenced gas well is hereby granted in accordance with Section 40-6-18, Utah Code Annotated, as amended 1983; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

In addition, the following actions are necessary to fully comply with this approval:

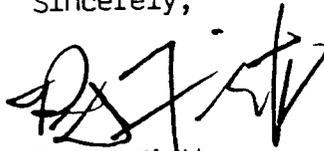
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2
BWAB Incorporated
Well No. Orangeville Unit 14-2
September 26, 1985

4. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-015-30223.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
State Lands

BWA

6



STATE OF UTAH
NATURAL RESOURCES
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

453 South Carbon Avenue • P.O. Box 718 • Price, UT 84501 • 801-637-1303

030716

September 27, 1985

RECEIVED

SEP 30 1985

Division of Oil, Gas & Mining
Attn: Arlene Sollis
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

DIVISION OF OIL
GAS & MINING

Re: *BWAB*
Orangeville Unit Federal #4-1 ✓
Orangeville Unit Federal #14-2 ✓
Orangeville Unit Federal #1-11 ✓

43-015-30221 SW 1957E sec. 1
43-015-30223 1A 1957E sec. 2
43-015-30222 SW 1957E sec. 11

Dear Arlene:

Enclosed is a copy of the plats pertaining to the three wells which Chandler and Associates are involved with near Orangeville in Emery County, Utah. The water that will be used is based on Stock Certificate No. 1308 for 70 shares of Class A water in the Cottonwood Creek Consolidated Irr. Co. which is in the name of John Nielson and Sons, Inc. The water right number which pertains to these shares is 93-2178, has a priority of 1877, and a flow of 103.113 second feet.

If you have any questions concerning this matter, please feel free to contact me.

Sincerely,

Mark P. Page
Area Engineer

Enclosures

MPP/mjk

May 19, 1985
(Date)

RECEIVED FROM

No 98926

NAME John C. Nielson & Sons

RECEIVED

ADDRESS Huntington, Utah 84528

The following described collateral as security to note of

SEP 20 1985

\$ 100,000.00

Dated 5-19-85

Due 5-19-86

DIVISION OF OIL
GAS & MINING

Description of collateral:

70.00 shares of Cottonwood Creek Consolidated Irrigation Co. Water Stock
in the name of John Nielson & Sons, Inc. Certificate #1308

117.74 shares of Huntington-Cleveland Irrigation Co. Water Stock
in the name of John C. Nielson & Sons Certificate #2215

REC-1188

SEP 20 1985

MAILED 10/1/85

First Security Bank of Utah, N.A.

Bank

By



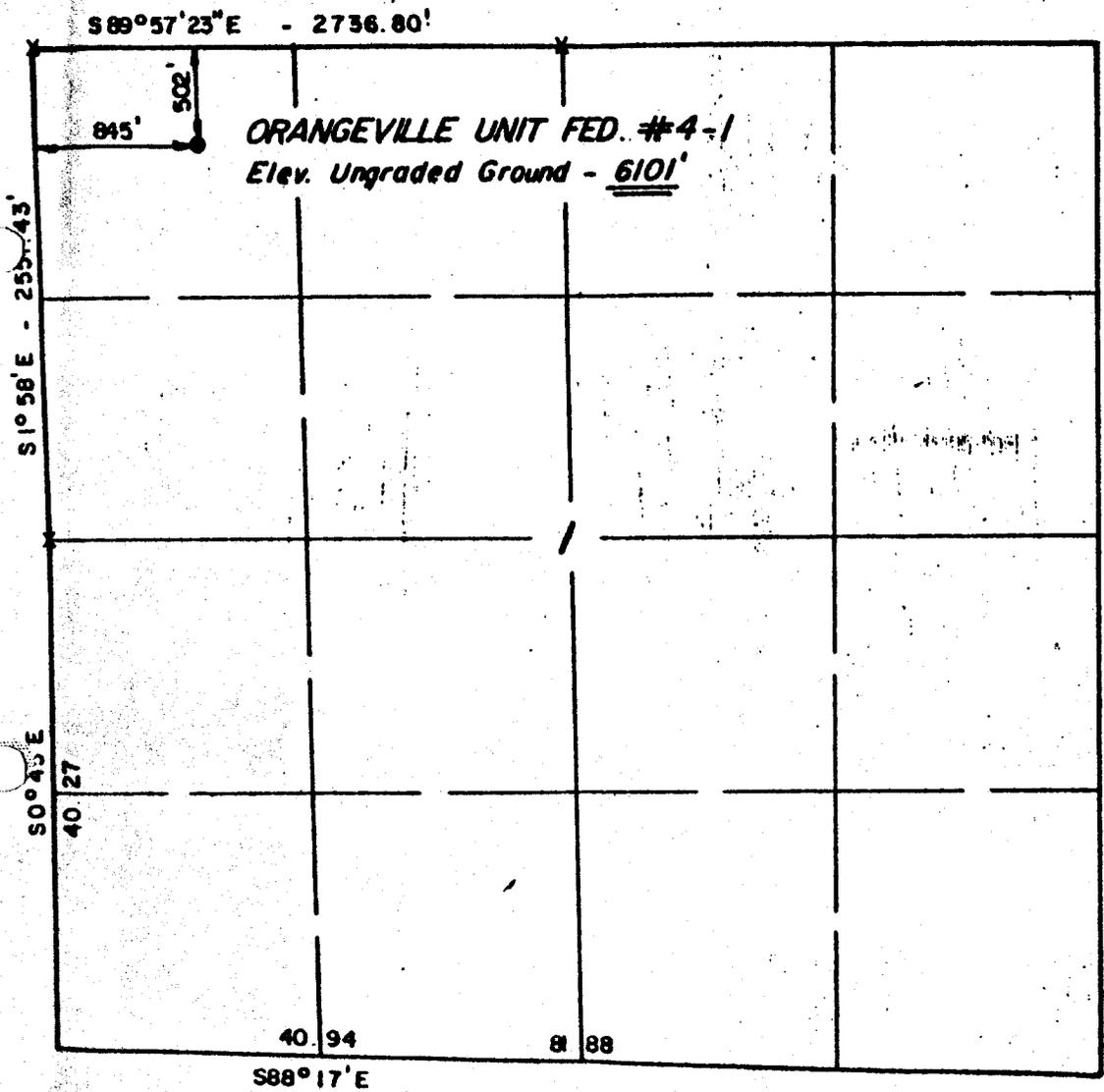
T19S, R7E, S.L.B. & M.

Well location, ORANGEVILLE UNIT FED #4-1, located as shown in the NW 1/4 NW 1/4 Section 1, T19S, R7E, S.L.B. & M. Emery County, Utah.

RECEIVED

SEP 26 1985

WATER RIGHTS PRICE



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 J. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO 3137
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 P. O. BOX 9 - 85 SOUTH - 200 EAST
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	8/26/85
PARTY	DB RB JS RP	REFERENCES	GLO Plat
WEATHER	Fair	FILE	CHANDLER

X = Section Corners Located

T19S, R7E, S.L.B. & M.

PROJECT

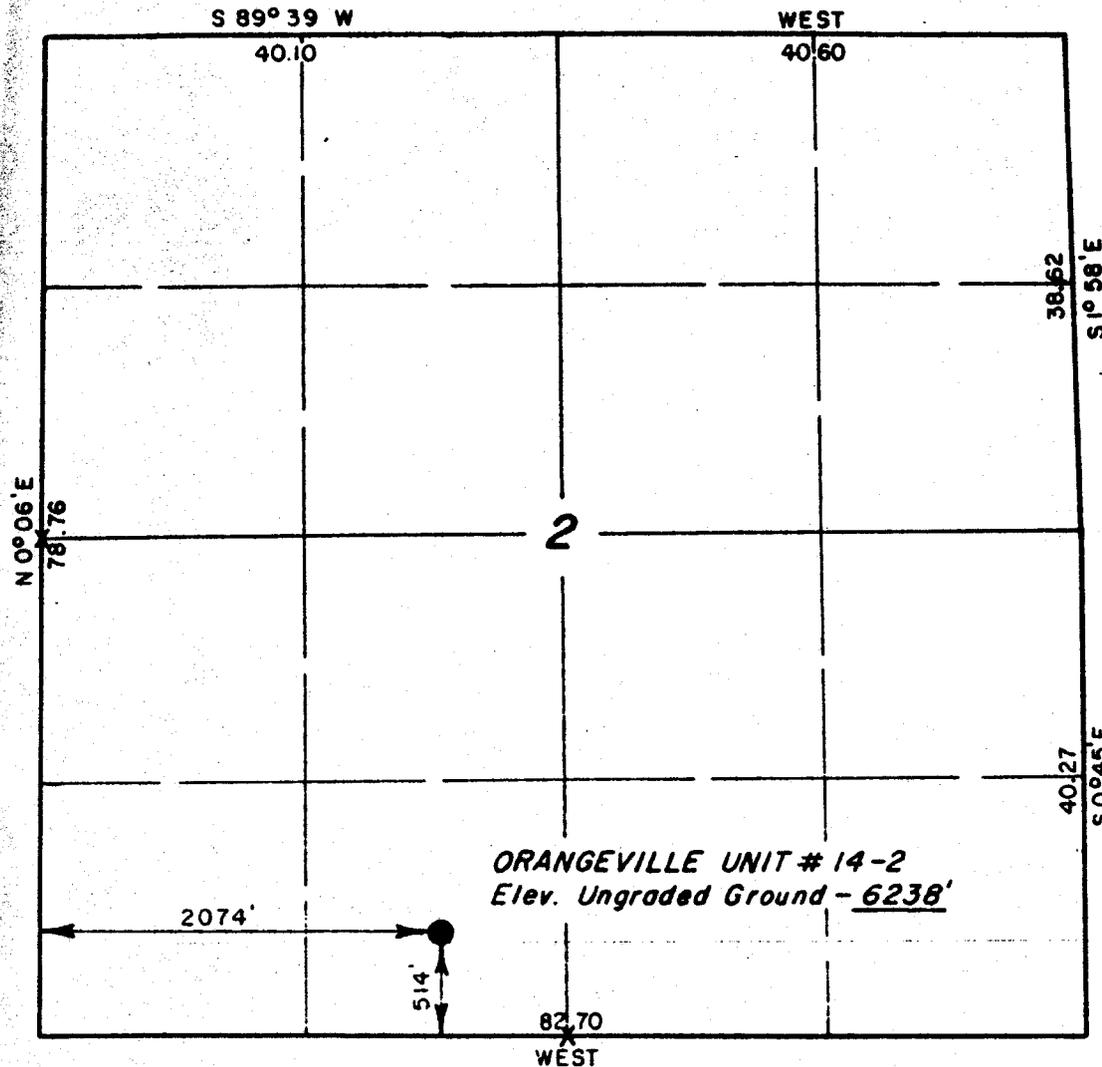
CHANDLER & ASSOCIATES, INC.

Well location, *ORANGEVILLE UNIT #14-2*, located in the SE 1/4 SW 1/4, Section 2, T19S, R7E, S.L.B. & M., Emery County, Utah.

RECEIVED

SEP 26 1985

WATER RIGHTS PRICE



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

James R. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

X = Located Section Corner

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

SCALE	1" = 1000'	DATE	8/26/85
PARTY	DB, RB, JS	DLS	REFERENCES GLO Plat
WEATHER	FAIR	FILE	Chandler

T 19 S, R 7 E, S.L.B. & M.

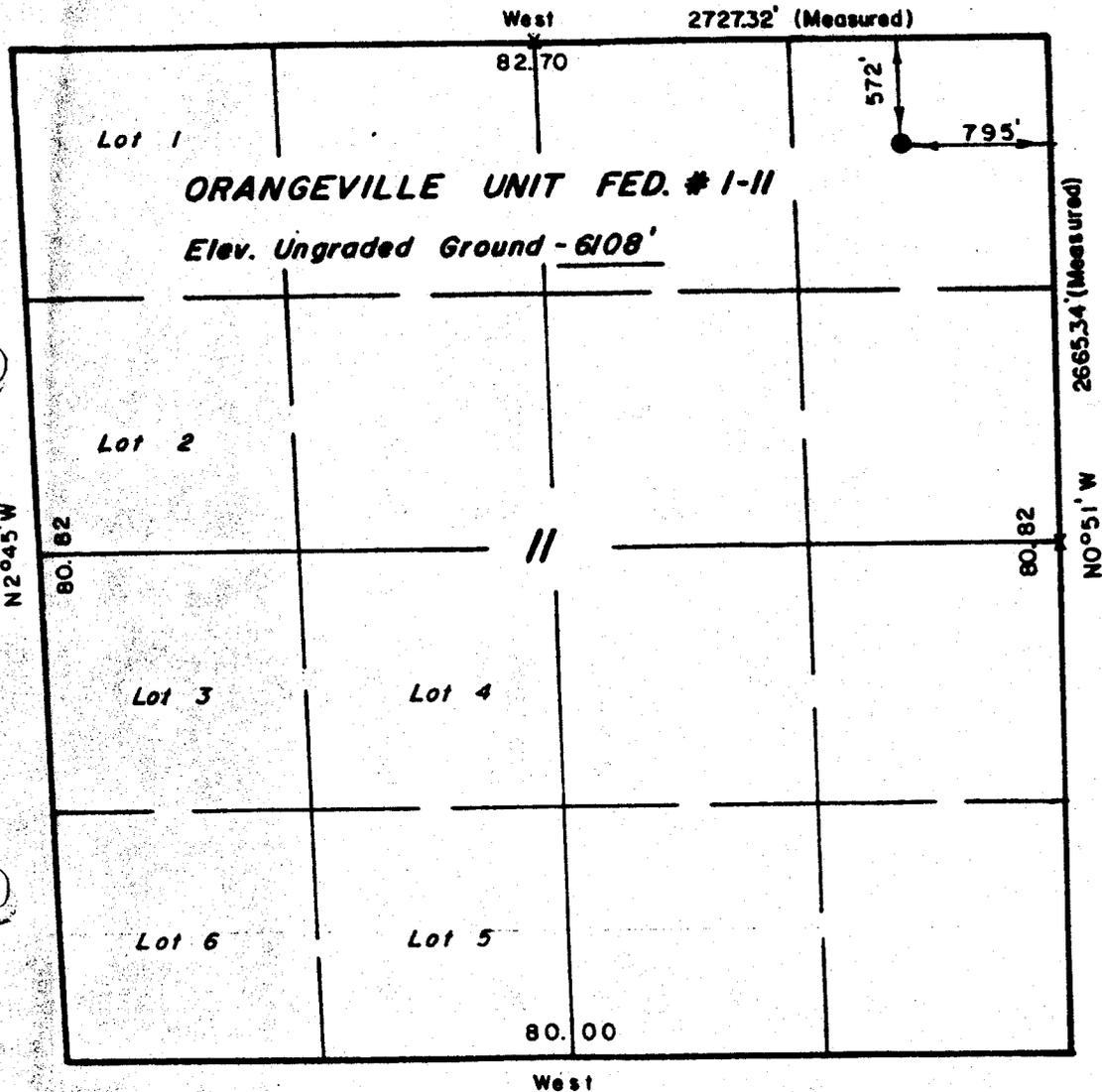
PROJECT
CHANDLER & ASSOCIATES INC.

Well location, **ORANGEVILLE**
UNIT FED. # 1-II, located as shown
in the NE 1/4 NE 1/4 Section II, T19S,
R 7 E, S.L.B. & M. Emery County, Utah.

RECEIVED

SEP 26 1985

WATER RIGHTS
PRICE



X = Section Corners Located

UNTAH ENGINEERING & LAND SURVEYING
P.O. BOX 6 - 85 SOUTH - 200 EAST
VERMILION, UTAH 84078

1" = 1000'

8 / 26 / 85

D.B. R.B. J.S. SB.

GLO Plat

Warm

CHANDLER & ASSOC.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 8, 1987

051106

BWAB Incorporated
1801 California Street
Suite 1000 CC4
Denver, Colorado 80202

Gentlemen:

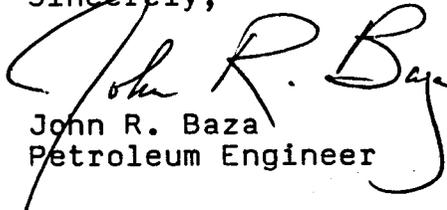
RE: Well No. Orangeville Unit 14-2, Sec.2, T.19S, R.7E,
Emery County, Utah, API NO. 43-015-30223

Due to excessive time delay in commencing drilling operations, approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice.

If it is your intent to proceed with operations on the well, you must submit a request for extension of the approval to drill within the one month grace period. After the grace period, a new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: D. R. Nielson
R. J. Firth
Well file
0327T-76