

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

5. Lease Designation and Serial No.

ML-28685

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

2. Name of Operator

Amoco Production Company

State of Utah "Q"

3. Address of Operator

P.O. Box 17675 Salt Lake City, UT 84117

9. Section, Township, Range, and Pool, or Wildcat

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

#1 Wildcat

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

Section 34 NW/4 SW/4 NW/4 1700' FNL & 400' FWL *
At proposed prod. zone

Sec. 34, T10N-R9W

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

12. County or Parrish 13. State

Box Elder Utah

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

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Elevation (feet) whether DF, RT, GL, or other

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TIGHT HOLE

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23. Proposed depth

420' Lake Level

400'

20. Rotary or cable tools

Rotary

22. Approx. date work will start*

When Approved

24. (This space for Federal or State office use)

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
Driven	20"		300'	
17 1/2"	13-3/8"	54.5#	1100'	Circ.
12 1/4"	9-5/8"	40#	4000'	

TIGHT HOLE

Amoco Production Company proposes to drill the subject well to test the Paleozoic formation of the Great Salt Lake for hydrocarbons.

Well to be drilled in compliance with the State of Utah "Operating Rules and Regulations Governing Drilling Procedures in the Great Salt Lake", adopted July 18, 1973. An Oil Spill Contingency Plan is on file with your office.

See Attachments

* Note: Survey Plats will be forwarded to your office immediately upon preparation.

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 E.R. Nichol Title Administrative Supervisor Date 10-8-80

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

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

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 10/24/80
BY: Clay Feight

*See Instructions On Reverse Side

State of Utah "Q" #1

- 1) Geological name of the surface formation: Tertiary
- 2) Estimated tops of geological markers:

<u>Marker</u>	<u>Depth</u>
Pliocene Basalt	1100'
Miocene	1800'
Paleozoic	3200'

- 3) Estimated depths anticipated to encounter water, oil, gas or other mineral bearing formations: Same as number 2, above

- 4) Casing Program: See Form OGC-1a, Item #23

5) Operators minimum specifications for pressure control equipment are explained on attached schematic diagram. Testing of such is to be performed daily and noted on the IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP and other pressure equipment will be tested to the full working pressure rating as shown on the attached diagram. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Daily Drilling Report.

- 6) Mud Program

<u>App.Interval</u>	<u>Type Mud</u>	<u>Wt. #/Gal</u>	<u>Viscosity Sec. API</u>	<u>W.L. CC/30M</u>
Surface-TD	LSND	8.8-9.3	35-45	15-30

- 7) Auxilliary Equipment: Kelly cock: floor sub with a full opening valve.
3" choke manifold with remote control choke

- 8) Testing Program:

<u>Type</u>	<u>Depth Interval</u>
Borehole Gravimeter	May be run at TD
Temperature Survey	Intervals to be
Telviewer	determined by
Velocity Survey	exploration
	department

Logging Program

<u>Type</u>	<u>Depth Interval</u>
DIL-SFC	Pipe to TD
BAC-GR Sonic	Base Conductor Pipe to TD
CNL-FDC	" "
Dipmeter	" "

Coring Program

Pliocene Basalt	1100	60' of core
Miocene	1800	60' of core

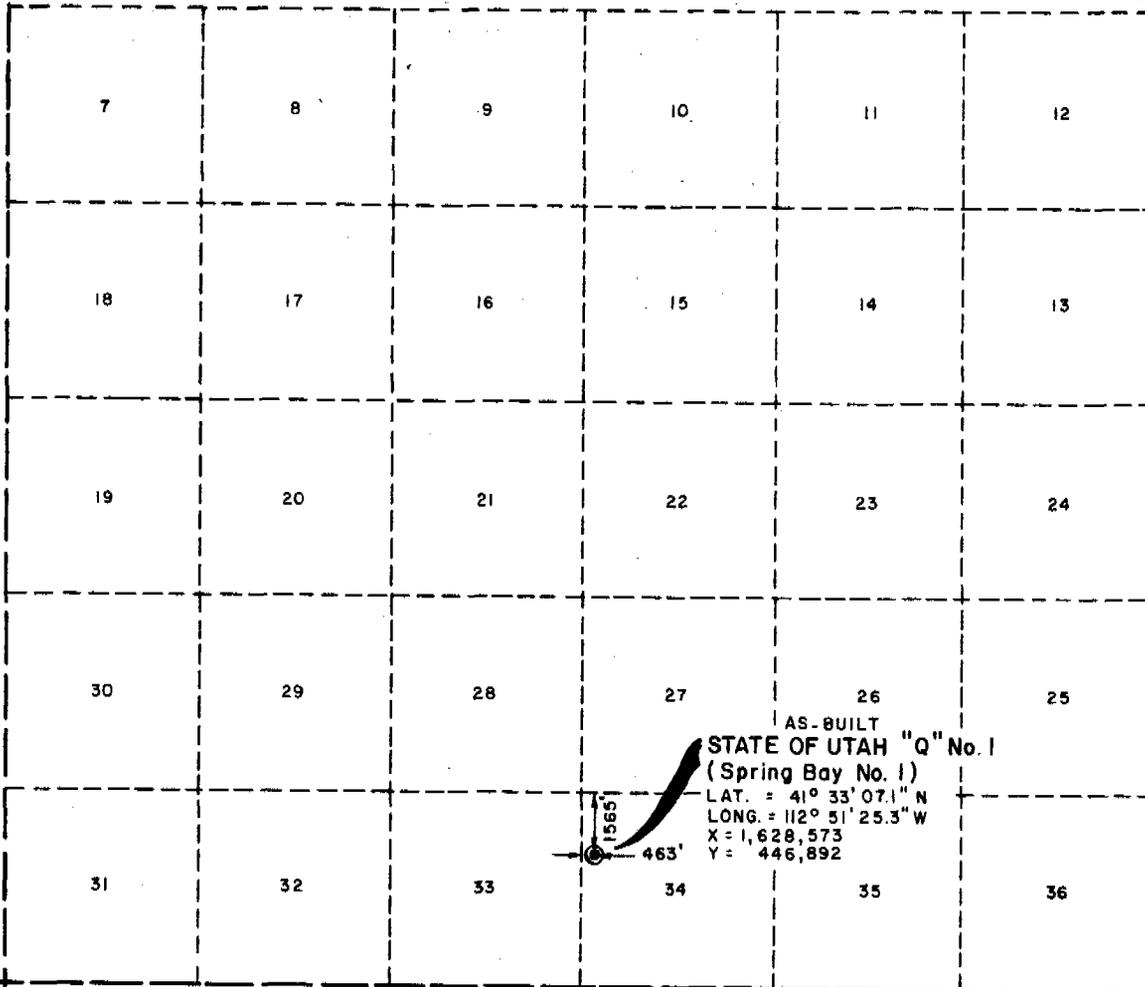
Stimulation Program: Open hole or slotted liner completions
No stimulations

- 9) No abnormal temperatures or pressures or H₂S are expected.

- 10) Anticipated starting date will be when approved and the duration of the operations will be approximately 180 days.

R 10 W
R 9 W

R 9 W
R 8 W



T 10 N
T 9 N

SCALE: 1" = 1 MILE

CERTIFICATE OF SURVEYOR

I hereby certify that I am properly registered and licensed to practice land surveying in the State of Utah and that this plat represents a location survey made by me or under my supervision, and that all dimensions and other details are correct.



Dec 2, 1980
Date

Richard C. Davis
SURVEYOR

Date of Survey Dec. 6, 1980

NOTE:

- Coordinates are Utah State Plane, North Zone.
- Revise to As-Built 12/8/80

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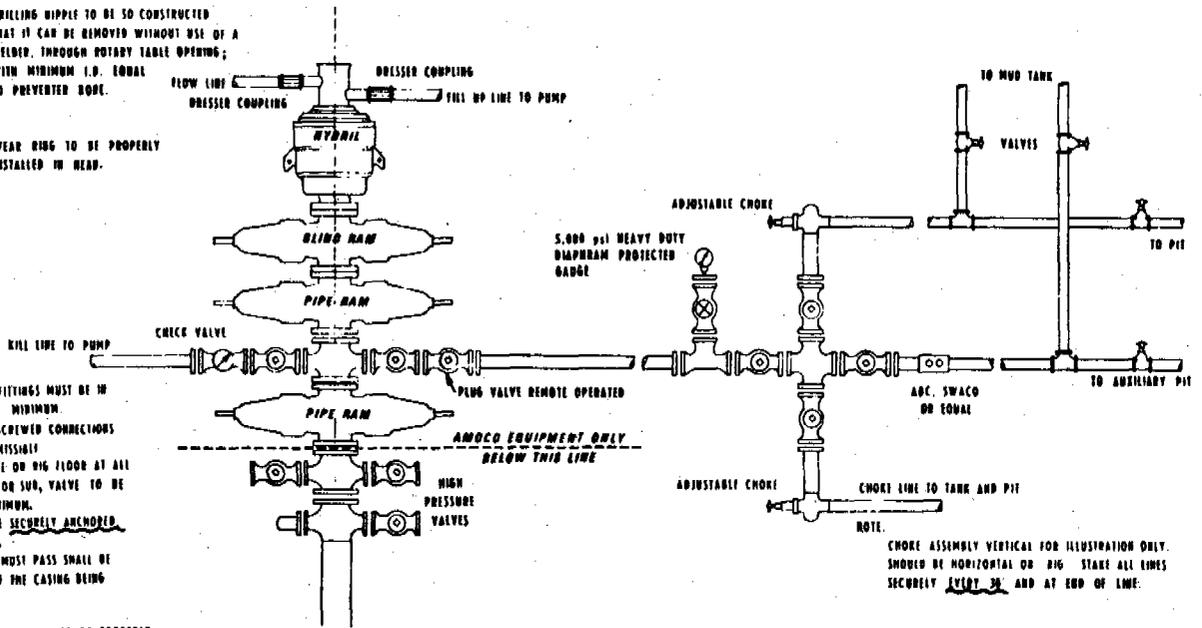
AS-BUILT STATE OF UTAH "Q" No. 1 (SPRING BAY No. 1) Located in NW1/4 SEC. 34, T. 10 N., R. 9 W., SALT LAKE MERIDIAN, UTAH
Surveyed for AMOCO PRODUCTION CO. Salt Lake City, Utah
Surveyed by F. M. LINDSEY & ASSOC. LAND & HYDROGRAPHIC SURVEYORS 2502 West Northern Lights Boulevard Box 4-081 Anchorage Alaska

EXHIBIT BOP-6000
MINIMUM BLOW-OUT PREVENTER REQUIREMENTS
5,000 psi W.P.

NOTE:

1 DRILLING HIPPLE TO BE SO CONSTRUCTED THAT IT CAN BE REMOVED WITHOUT USE OF A WELDER, THROUGH ROTARY TABLE OPENING; WITH MINIMUM I.D. EQUAL TO PREVENTER BORE.

2 WEAR RING TO BE PROPERLY INSTALLED IN HEAD.



NOTE:

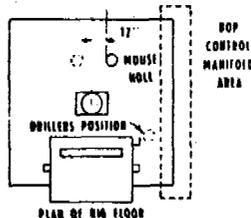
- 1 BLOW OUT PREVENTERS AND ALL FITTINGS MUST BE IN GOOD CONDITION 5,000 psi W.P. MINIMUM.
- 2 ALL FITTINGS TO BE FLANGED, SCREWED CONNECTIONS DOWNSTREAM FROM CHOKES PERMISSIBLE.
- 3 SAFETY VALVE MUST BE AVAILABLE ON RIG FLOOR AT ALL TIMES WITH PROPER CONNECTION OR SUP. VALVE TO BE FULL BORE 5,000 psi W.P. MINIMUM.
- 4 ALL CHOKE AND KILL LINES TO BE SECURELY ANCHORED, ESPECIALLY ENDS OF CHOKES LINES.
- 5 EQUIPMENT THROUGH WHICH BIT MUST PASS SHALL BE AS LARGE AS INSIDE DIAMETER OF THE CASING BEING DRILLED THROUGH.
- 6 KELLY COCK ON KELLY.
- 7 EXTENSION WRENCHES AND HAND WHEELS TO BE PROPERLY INSTALLED AND BRACED AT ALL TIMES.
- 8 RIG FLOOR BLOW-OUT-PREVENTER CONTROL TO BE LOCATED AS CLOSE TO DRILLERS POSITION AS FEASIBLE.
- 9 BLOW-OUT PREVENTER CLOSING EQUIPMENT TO INCLUDE 60 GALLON ACCUMULATOR, TWO INDEPENDENT SOURCES OF PUMP POWER ON EACH CLOSING UNIT INSTALLATION. AND MEET ALL IADC SPECIFICATIONS.

NOTE:

ALL VALVES TO BE FULL OPENING.

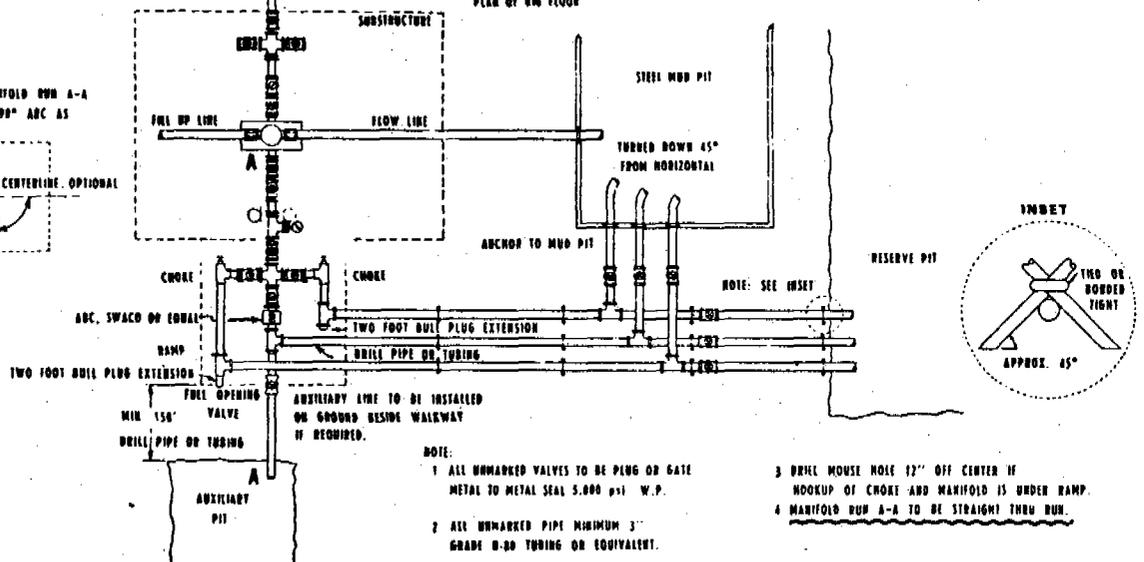
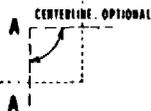
NOTE:

CHOKES ASSEMBLY VERTICAL FOR ILLUSTRATION ONLY. SHOULD BE HORIZONTAL OR RIG STAKE ALL LINES SECURELY EVERY 30' AND AT END OF LINE.



NOTE:

DIRECTION OF MANIFOLD RUN A-A OPTIONAL WITHIN 90° ARC AS SHOWN BELOW.



NOTE:

- 1 ALL UNMARKED VALVES TO BE PLUG OR GATE METAL TO METAL SEAL 5,000 psi W.P.
- 2 ALL UNMARKED PIPE MINIMUM 3" GRADE B-30 TUBING OR EQUIVALENT.
- 3 DRILL MOUSE HOLE 12" OFF CENTER IF HOOKUP OF CHOKES AND MANIFOLD IS UNDER RAMP.
- 4 MANIFOLD RUN A-A TO BE STRAIGHT THRU RUN.

Amoco Production Company
STANDARD ASSEMBLY FOR FLUID
OPERATED TRIPLE BLOW-OUT PREVENTER
5,000 psi W.P.

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** FILE NOTATIONS **

DATE: Oct. 21, 1980
OPERATOR: Amoco Production Co.
WELL NO: State of Utah "Q" #1
Location: Sec. 34 T. 10N R. 9W County: Box Elder

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

API Number 43-003-30017

CHECKED BY:

CONFIDENTIAL

Petroleum Engineer: _____

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site
Lease Designation ST. Plotted on Map
Approval Letter Written
Hot Line P.I.

October 27, 1980

Amoco Production Company
P. O. Box 17675
Salt Lake City, Utah 84117

Re: Well No. State of Utah "Q" #1
Sec. 34, T. 10N, R. 9W
Box Elder County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 150-2, dated November 20, 1974, and the "Operating Rules and Regulations Governing Drilling Procedures in the Great Salt Lake", adopted July 18, 1973, by the Board of Oil, Gas, and Mining.

However, said approval shall be conditional upon a surveyor's plat being furnished with this office in accordance with Rule C-4(a), General Rules and Regulations and Rules of Practice and Procedure.

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

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

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

Approval, State of Utah "Q" #1
October 27, 1980
Page Two

The API number assigned to this well is 43-003-30017.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

/ka
cc: Donald Prince

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

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

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
P.O. Box 17675, Salt Lake City, UT 84117

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface SW/4 NW/4 1650' FNL & 341' FWL
At top prod. interval reported below
At total depth

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14. PERMIT NO. 43-003-30017 DATE ISSUED 10/27/80

5. LEASE DESIGNATION AND SERIAL NO.
ML - 28685

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
State of Utah "Q"

9. WELL NO.
#1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec 34, T10N-R9W

12. COUNTY OR PARISH
Box Elder

13. STATE
Utah

15. DATE SPUDDED 11/18/80 16. DATE T.D. REACHED 12/15/80 17. DATE COMPL. (Ready to prod.) 12/15/80 (P & A) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4200' Lake Level 19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 4883' 21. PLUG, BACK T.D., MD & TVD 1860' 22. IF MULTIPLE COMPL., HOW MANY* ----- 23. INTERVALS DRILLED BY Surface-TD ROTARY TOOLS Surface-TD CABLE TOOLS -----

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
None

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE OF LOGGING AND OTHER LOGS RUN
DLI-SFC BHC Sonic w/GR CNL-FDC w/Caliper Dipmeter Temperature Gravimeter

27. WAS WELL CORED
Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
30"	----	99'	Driven	----	---
20"	106#	303'	Driven	200 sx	---
13-3/8"	54.5	1217'	17' 1/2"	1150 sx	---

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		None		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
	None	

31. PERFORATION RECORD (Interval, size and number)
None

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	None

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCT _____ METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) P & A

DATE OF TEST _____ HOUR TEST _____ CHUCK SIZE _____ PROD'N FOR TEST PERIOD _____ OIL—BBL. _____ GAS—MCF. _____ WATER—BBL. _____ GAS-OIL RATIO _____

FLOW. TUBING PRESS. _____ CASING PRESSURE _____ CALCULATED 24-HOUR RATE _____ OIL—BBL. _____ GAS—MCF. _____ WATER—BBL. _____ OIL GRAVITY-API (CORR.) _____

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

TIGHT HOLE

35. LIST OF ATTACHMENTS

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

SIGNED E. R. Nicholas TITLE Admin. Supervisor DATE 12/31/80



Amoco Production Company
P.O. Box 17675
Salt Lake City, Utah 84117

January 5, 1981

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DIVISION OF
OIL, GAS & MINING

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

File: MZ-2-031/WF

Survey Plats - State of Utah "Q" #1, Sec. 34, T10N, R9W, and State
of Utah "R" #1, Sec. 22, T8N, R9W, Box Elder County, Utah

Enclosed herewith are copies of the final survey plats for the
subject wells.

Please note that the actual footage location as surveyed with the
barge in place and anchor pilings driven does differ from the
location indicated on the original "Application for Permit to Drill".
It is requested that your files be corrected to reflect the
actual footage as indicated on the attached plats.

Should you have any questions relative to the information submitted,
please advise.

M. Zimmerman

Martin Zimmerman
District Superintendent

Attachments

SW