

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OIL & GAS OPERATIONS

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 Stratigraphic SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
LAB Energy, Inc.

3. ADDRESS OF OPERATOR
7107 South 400 West, Suite 10, Midvale, Utah, 84047

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 1946' FSL and 1630 FEL, Sec 17, T-7-S, R-4-W
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
17 miles south of Tooele, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
16. NO. OF ACRES IN LEASE 2300±

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. #17-16 well in Sec 17
19. PROPOSED DEPTH 3000'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5107'

22. APPROX. DATE WORK WILL START* 12-5-82

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8"	40#	250'	400 SX
7 7/8"	5 1/2"	20#	3000'	100 SX

Blowout preventers:

10" 5000# WP

Drill and complete 3000' test well

Set new casing as indicated above, casing head 3000# WP.

Low water loss mud with non-disperwed system will be used from 1500' to TD.

Run electric and radioactive logging surveys, i.e., DIL CNO-Density, GR, Sonic.

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 Arlen E. Jacobs TITLE Vice President DATE 11/12/82

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
E. W. Guynn
District Oil & Gas Supervisor

APPROVED BY [Signature] DATE DEC 21 1982
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

*See Instructions On Reverse Side

STATE O&G

LAB Energy, Inc.
Well No. 17-10
Section 17, T.7S., R.4W.
Tooele, Utah
Lease U-22604

Supplemental Stipulations

- 1) Since Hydrogen Sulfide gas may be encountered during drilling, the following safety precautions will be taken:
 - a. A windsock will be installed at the wellsite.
 - b. An H₂S detector will be installed at the drill rig.
 - c. Adequate supplies of mud additives and scavengers will be on location for H₂S operations.
- 2) If H₂S gas is encountered, operations will cease until an H₂S contingency plan can be implemented. A copy of the plan will be furnished to MMS for review and concurrence.
- 3) All fresh water aquifers penetrated must be adequately isolated and protected.
- 4) Firearms will be prohibited on the wellsite location.
- 5) During periods of wet and muddy ground, drilling operations will be suspended unless access roads are upgraded and surfaced as discussed in the Surface Use Plan of the APD.
- 6) The BLM will be notified prior to rig release so that cleanup and restoration activities can be properly monitored.
- 7) Final reclamation procedures and specifications must be worked out jointly with BLM.
- 8) All APD Surface Use Plan changes agreed to at the December 6, 1982 meeting with MMS and BLM must be adhered to.

ADDITIONAL STIPULATIONS FOR PRODUCTION FACILITIES

Your Application for Permit to Drill also included a submittal for production facilities. These production facilities are approved for the lessee and his designated operator under Section 1 of the Oil and Gas Lease with the following conditions:

- (1) The oil and gas measurement facilities must be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy are to be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. Please provide this office with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports are to be submitted to the Salt Lake City District Oil and Gas Supervisor. Royalty payments will be made on all production volume as determined by the meter measurements or the tank measurements. All measurement facilities must conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.
- (2) Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs must be housed and/or fenced.
- (3) All disturbed areas not required for operations will be rehabilitated.
- (4) All produced liquids must be contained including the dehydrator vent/condensate line effluent. All production pits must be fenced.
- (5) The well activity, the well status and the date the well is placed on production must be reported on Lessee's Monthly Report of Operations, Form 9-329.
- (6) All off-lease storage, off-lease measurement, or commingling on lease or off-lease must have written approval.
- (7) All product lines entering and leaving hydrocarbon storage tanks must be locked/sealed.
- (8) You are reminded of the requirements for handling, storing, or disposing of water produced from oil and gas wells under NTL-2B.
- (9) All materials, trash, junk, debris, etc. not required for production must be removed from the well site and production facility site at the completion of these operations.
- (10) A copy of the Gas Sales Contract will be provided to this office and the Royalty Accounting Department as directed.
- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
- (12) "Sundry Notice and Reports on Wells" (form 9-331) will be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained verbally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alternations of facilities, including roads, gathering lines, batteries, measurement facilities, etc., will require the filing of a suitable plan and prior approval by the survey.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company LAB Energy, Inc. Well No. 17-10
Location Sec. 17, T. 7S, R. 4W Lease No. U-22604

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must 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 cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. 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 this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Supervisor must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration work has been completed and the location is considered ready for final inspection.

OPERATOR

4. The spud date will be reported orally to the District Supervisor's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Supervisor's office on a frequency and form or method as may be acceptable to the District Supervisor.

In accordance with NTL-1, this well must 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 should be filed, in duplicate, directly with the U.S. Geological Survey Accounting, P.O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Supervisor. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Supervisor.

The Minerals Management Service office address and contacts are:

Address: 2000 Administration Building, 1745 West 1700 South, SLC, Utah 84104-3884

Office Phone: (801) 524-4590

District Supervisor E. W. Gynn

Home Phone: (801) 582-7042

District Drilling Engineer W. P. Martens

Home Phone: (801) 466-2780

District Production Engineer R.A. Henricks

Home Phone: (801) 484-2294

Staff Engineer A.M. Raffoul

Home Phone: (801) 484-2638

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operation Standards for Oil and Gas Exploration and Development." This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Supervisor, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from

12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

- a. Operator name, address and telephone number.
- b. Well name and number.
- c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
- d. Date well was placed in a producing status.
- e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.
- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

LAB Energy, Inc.
Well No. 17-10
Section 17, T.7S., R.4W.
Tooele, Utah
Lease U-22604

Supplemental Stipulations

- 1) Since Hydrogen Sulfide gas may be encountered during drilling, the following safety precautions will be taken:
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- 3) All fresh water aquifers penetrated must be adequately isolated and protected.
- 4) Firearms will be prohibited on the wellsite location.
- 5) During periods of wet and muddy ground, drilling operations will be suspended unless access roads are upgraded and surfaced as discussed in the Surface Use Plan of the APD.
- 6) The BLM will be notified prior to rig release so that cleanup and restoration activities can be properly monitored.
- 7) Final reclamation procedures and specifications must be worked out jointly with BLM.
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- (11) Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development." This includes, but is not limited to, such items as road construction and maintenance, handling of top soil and rehabilitation.
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

A. TYPE OF WORK
DRILL DEEPEN PLUG BACK

B. TYPE OF WELL
OIL WELL GAS WELL OTHER **Stratigraphic** SINGLE ZONE MULTIPLE ZONE

NAME OF OPERATOR
LAB Energy, Inc.

ADDRESS OF OPERATOR
7107 South 400 West, Suite 10, Midvale, Utah, 84047

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 1946' FSL and 1630 FEL, Sec 17, T-7-S, R-4-W

At proposed prod. zone

DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
17 miles south of Tooele, Utah

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

DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED FOR, ON THIS LEASE, FT.
1/2 mile north of proposed #17-16 well in Sec 17

ELEVATIONS (Show whether DF, RT, GR, etc.)
5107'

5. LEASE DESIGNATION AND SERIAL NO.

U-22604

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

LAB Energy

9. WELL NO.

#17-10

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

NW SE Section 17

T-7-S, R-4-W

12. COUNTY OR PARISH

Tooele

13. STATE

Utah

16. NO. OF ACRES IN LEASE

2300±

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

19. PROPOSED DEPTH

3000'

20. ROTARY OR CABLE TOOLS

Rotary

22. APPROX. DATE WORK WILL START*

12-5-82

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WRIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	9 5/8"	40#	250'	400 SX
7 7/8"	5 1/2"	20#	3000'	100 SX

Blowout preventers:

10" 5000# WP

Drill and complete 3000' test well

Set new casing as indicated above, casing head 3000# WP.

Low water loss mud with non-dispersed system will be used from 500' to 3000'.

Run electric and radioactive logging surveys, i.e., DIL CNO-Density, GR, Sonic.

RECEIVED
JAN 06 1983

DIVISION OF
OIL, GAS, AND MINING

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

DATE: 1-6-83
BY: [Signature]

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 geology, blowout preventer program, if any.

SIGNED: [Signature] TITLE: Vice President DATE: 11/12/82

PERMIT NO. APPROVAL DATE: E. W. Guynn District Oil & Gas Supervisor DATE: DEC 21 1982

APPROVED BY: [Signature] CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

*See Instructions On Reverse Side

OPERATOR

13. POINT SURFACE USE PLAN

HERRINGTON COUNTY
OIL & GAS OPERATIONS
RECEIVED

NOV 15 1982

SALT LAKE CITY, UTAH

LAB ENERGY, INC.
#17-10
Section 17, T-7-S, R-4-W
Tooele County, Utah

I. Existing Roads

a. Proposed Wellsite Location:

As surveyed by registered land surveyor, is located 1946' north and
1630' West of SE corner, Sec. 17, T-7-S, R-4-W, Tooele County, Utah
See Exhibit I

b. Planned Access Route:

From Faust, drive 4.8 miles east-northeast on county gravel road. Turn
north (left) onto light duty dirt road. Go northeast 0.2 miles.

c. Access Road Labeled:

See Exhibit II - Red - existing (gravel pit access) road. Existing
road to be extended.

d. If exploratory well, all existing roads within 3 miles:

See Exhibit II.

1. e. If development well, all existing roads within a one mile radius of well-site:

N/A

f. Plans for improvement and/or maintenance of existing roads:

The existing road (trail) may require widening. The existing and new road may require periodic grading and gravelling to maintain proper drainage. Gravel source will be native and will be taken from existing borrow pit site 1/8 mile south along the access road.

2. Planned Access Route

Route Location:

The planned new access route was selected to provide the shortest distance to the well site with acceptable grades from the existing county road. The new access road will be for the most part, on the existing road (trail). A temporary access will be built initially; if well is productive, the temporary road will be improved as follows:

1.) Width: The average dirt width will be 20 feet. The average traveled surface width will be 20 feet. Road construction will be in accordance with typical roadways requested by the U.S. Bureau of Land Management.

2.) Maximum Grade: The maximum grade allowed will be 5°.

3.) Turnouts: Not required.

4.) Drainage Design. Prior to construction of the new access road, the brush and topsoil will be sindrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1

2. Planned Access Route, continued

- 5.) Culverts Use, Major Cuts and Fills:
Culverts will not be required. Cuts and fills will be minimum.
- 6.) Surfacing Material: The proposed access road will be constructed with native fill.
- 7.) Gates, Cattleguards, Fence Cuts: Not required.
- 8.) New Portion of road will be center flagged.

3. Location of Existing Wells

The proposed well is a stratigraphic test. There is no known well (water, abandoned, temporarily abandoned, disposal and drilling) within a 2 mile radius/

4. Location of Existing and/or Proposed Facilities

a. Existing facilities within one mile radius owned or controlled by operator:

- (1) Tank Batteries: none
- (2) Production Facilities: none
- (3) Oil Gathering Lines: none
- (4) Gas Gathering Lines: none
- (5) Injection Lines: none
- (6) Disposal Lines: None

b. New Facilities in Event of Production: ~~OMIT - NO PRODUCTION PLANNED~~ STRAT TEST -

- (1) ~~Few facilities: Wellhead, production separator, pumping unit, storage tanks, all constructed on disturbed ground.~~
- (2) ~~Dimension of the facilities are shown on Exhibit III.~~
- (3) ~~Construction methods will be to strip the topsoil and the drilling pad. Construction methods will be employed to assure that no drainage flows are impounded to prevent the loss of any hydrocarbons from the site to facilitate rapid cleanup and recovery of the loss.~~
- (4) ~~Protective measures to protect wildlife and livestock: Open pits will be flagged and fenced.~~

4. c. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded as per BLM specifications.

5. Location and Type of Water Supply

a. The water source has not yet been determined but will be from a legal private source.

b. Water transportation system: water will be hauled in trucks from an undetermined source.

c. Water wells: none available.

6. Source of Construction Materials

a. Materials: Construction materials will consist of soil encountered within the boundaries of the proposed site. Topsoil will be stripped to a depth of 6 inches and stockpiled in an area that does not interfere with operations (northeast of location).

b. Land Ownership: The planned site and access roads lie on Federal land administered by the U.S. Department of the Interior, U.S. Bureau of Land Management

c. Material Foreign to Site: ~~NA~~ SEE ITEM E BELOW

d. Access road shown under Item 2.

e. Gravel will be available from existing borrow pit located along an existing road near the center of the SE/4 Sec. 17, T-7-S, R-4-W, IF NEEDED GRAVEL ON FEDERAL LAND GRAVEL PERMIT OK PER BLM- REGIONAL GRAVEL EA COMPLETE

7. Methods of Handling Waste Materials

a. Cuttings: Will be contained within the limits of the reserve pit.

b. Drilling Fluids: Will be retained in the reserve pit.

c. Produced Fluids: No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Previous to clean-up operations, the hydrocarbon materials will be skimmed or removed as the situation would indicate.

d. Sewage: Sanitary facilities will consist of at least one chemical toilet. Waste will be contained in a pit and backfilled immediately following the drilling operations or removed to sanitary disposal facility.

e. Garbage: A burn cage will be constructed and fenced with small mesh wire. The refuse will be removed from the area and taken to a landfill.

f. Clean Up Well Site: The surface of the drill pad will be cleaned and graded. The "mouse hole" and "rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

8. Ancillary Facilities

9. Well-site Layout

- (1) Well location is relatively flat and requires minimal cuts and fills. Any cuts and fills needed will be determined at on-site inspection. Surface soil will be stockpiled on the northeast side of location, 12" high.
- (2) Location of Pits: See Exhibit IV.
- (3) Rig orientation: See Exhibit IV.
- (4) Pits will be unlined, unless otherwise required.

10. Plans For Restoration of Surface

a. Reserve Pit Cleanup: The pit will be fenced prior to rig release and shall be maintained until cleanup. Previous to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per BLM recommendation during the appropriate season following final restoration of the site.

b. Restoration Plans - Production Developed: ~~N/A - STRAT TEST - NO PRODUCTION~~

~~The reserve pit will be backfilled and restored as described under Item 10a. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on those areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item 10c.~~

10. c. Restoration Plans - No Production Developed:

The reserve pit will be restored as described in Item 10a above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per BLM requirements.

11. Other Information

a. Surface Description:

The proposed site is located in Rush Valley, some 4 miles south of Tooele Army Depot (south area) in Tooele County, Utah. The valley is a broad, arid area located between the Ouquirrh Mountains on the east and the Onacui Mountains on the west. The site is situated along a low swell. The vegetation is sparse, consisting of annuals and grasses interspersed with occasional salt brush on the low swells with sagebrush, rabbit brush and snakeweed along occasional alkali washes.

b. Other Surface Use Activities:

The surface is predominantly Federally owned and managed by the BLM/USGS. Some sheep grazing is apparent during the winter season.

c. Proximity of Water, Dwelling, Historical Sites:

1. Water - none known.

2. Dwellings: none

3. Historical Sites: An archaeological cultural resource survey is to be conducted on this location. The report is expected to be available as soon as practical, and will be forwarded to appropriate Federal and State offices.

12. Operator's Representative

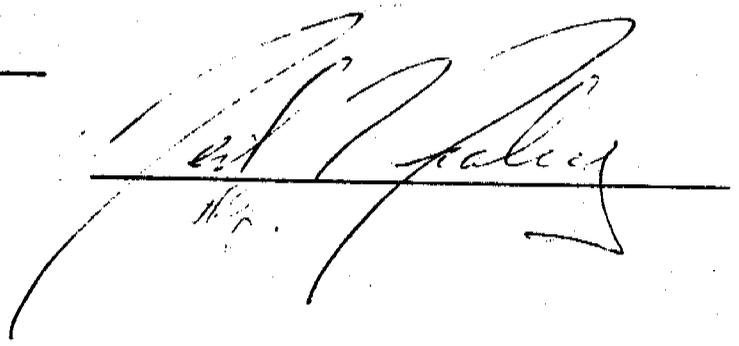
Field Personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

LAB Energy, Inc.	Rocky Mountain Petroleum Consultants, Inc
Arlon Jacobs	Neil T. Foley
7107 South 400 West	8748 Oak Valley Drive
Midvale, Utah 84047	Sandy, Utah 84092
Office: 801/566-4104	Office: 801/942-4860
	Home: 801/942-2429

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 as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by _____ and its contractors and sub-contractors will conform to this plan.

DATE: 11/11/82



Neil T. Foley

10 POINT PLAN

LAB ENERGY, INC.
Section 17, T-7-S, R-4-W
Tooele County, Utah

1. Geological name of the surface formation: _____
Salt Lake Group (Tertiary)

2. Estimated tops of geological markers: _____
Salt Lake Group - 100'

(Tops are only estimates; there are no geological control wells
in the area.)

3. Estimated depths anticipated to encounter water, oil, gas or other mineral bearing formations: _____
Unknown, weak geological control

4. Casing program: _____
See Form (-33)C, Item #23

5. Blowout Preventors:

Hydraulic double rams with 300 psi rated BOP. One set of pipe rams will be provided for each size drill pipe in the hole. One set of blind rams will be installed at all times. Fill lines, kill lines and choke relief line will be 2", 3000 psi rated. BOP will be tested daily and noted on IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP will be tested to full working pressure. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Report. See Exhibit "A".

6. Mud Program:

Approximate Interval	Type Mud	Weight #/gal.	Viscosity	W.L.
0 - 1500'	Native	8.3 - 8.5	As needed	NC
1500' - 3000'	Gel/low solids	8.5 - 9.0	32-35	10-15 sec

7. Auxillary Equipment:

- a. Kelly cock will be in use at all times.
- b. Full opening stabbing valve will be present on floor at all times.
- c. Mud monitoring will be visual to 1500'. No abnormal pressures are anticipated. Mud logger, pit level indicator.
- d. 2" - 3000 psi choke manifold with remote control choke will be on well. See Exhibit "a".

8. Testing Program:

No cores are planned. No DST's are planned. Open hole logs will be DIL.
Neutron-Density with caliper and Xonic Velocity Survey. If casing is run
a cement bond with Gamma Ray will be run.

9. Hazards:

No abnormal pressures, temperatures, or poison gases are expected to be
encountered; however, mud properties and poison gas will be monitired closely
below 1500'.

10. The starting date is approximately December 15, 1982 depending
on rig availability and should take 2 to 3 weeks to complete.

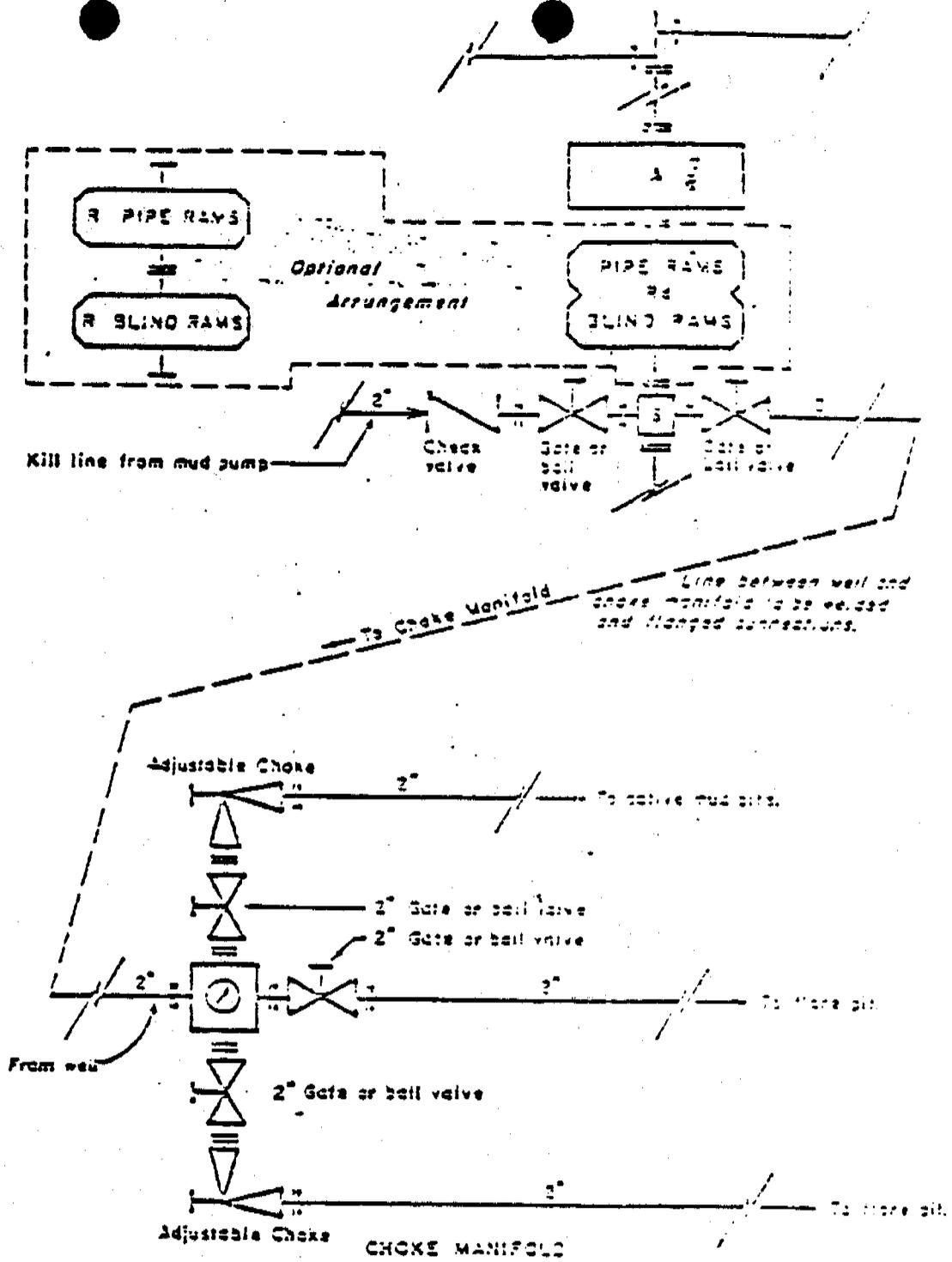
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated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

11/11/82

Date

[Signature]
Name

Consulting Engineer
Title

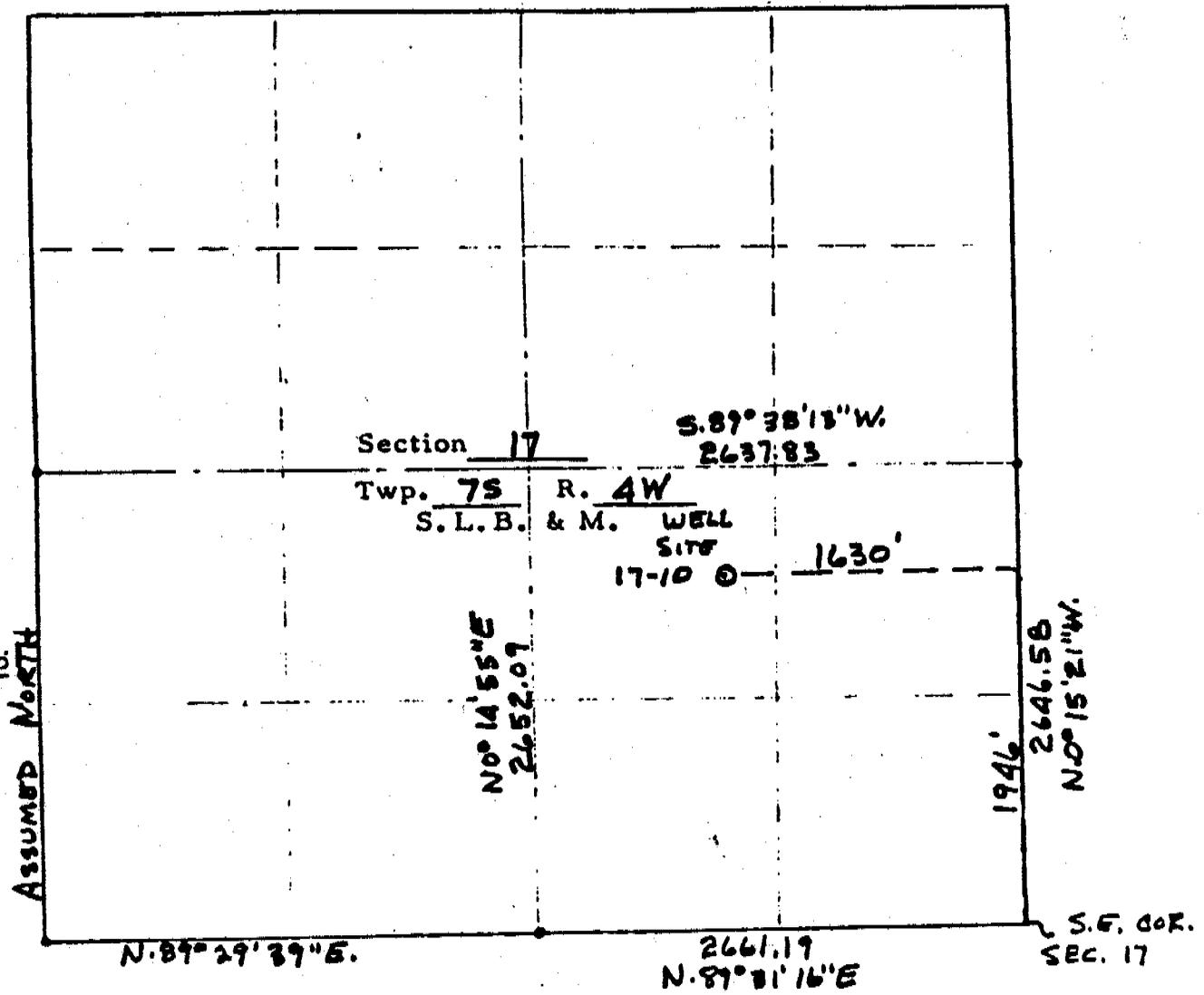
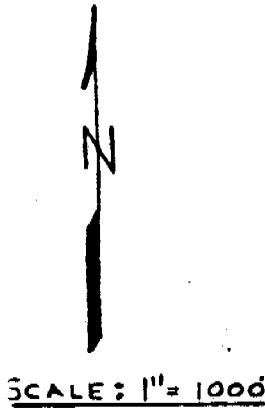


- All equipment to be 3,000 psi working pressure except as noted.
- Rd Double ram type preventer with two sets of rams.
 - R Single ram type preventer with one set of rams.
 - S Grilling spool with side outlet connections for choke and kill lines.
 - A Annular type blowout preventer.

Exhibit 'A'

Sec. 17, T-7-S, R-4-W
Tooele County, Utah

Required: Wellhead Blowout Preventer and Choke Manifold



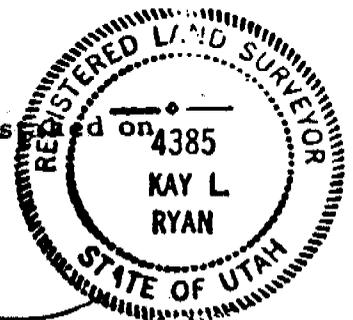
SURVEYOR'S CERTIFICATE

I, Kay L. Ryan, of Ryan Engineering Inc., do hereby certify that I am a Registered Land Surveyor, and hold certificate No. 4385 as prescribed by the laws of the State of Utah, and have made a survey as shown on this plat of:

LAB Energy Inc., Federal #17-10, located North 1946 ft. and West 1630 ft. from the Southeast Corner, Section 17, Township 7 South, Range 4 West, Salt Lake Meridian.

Ground Line Elevation: 5107 (Approx.)

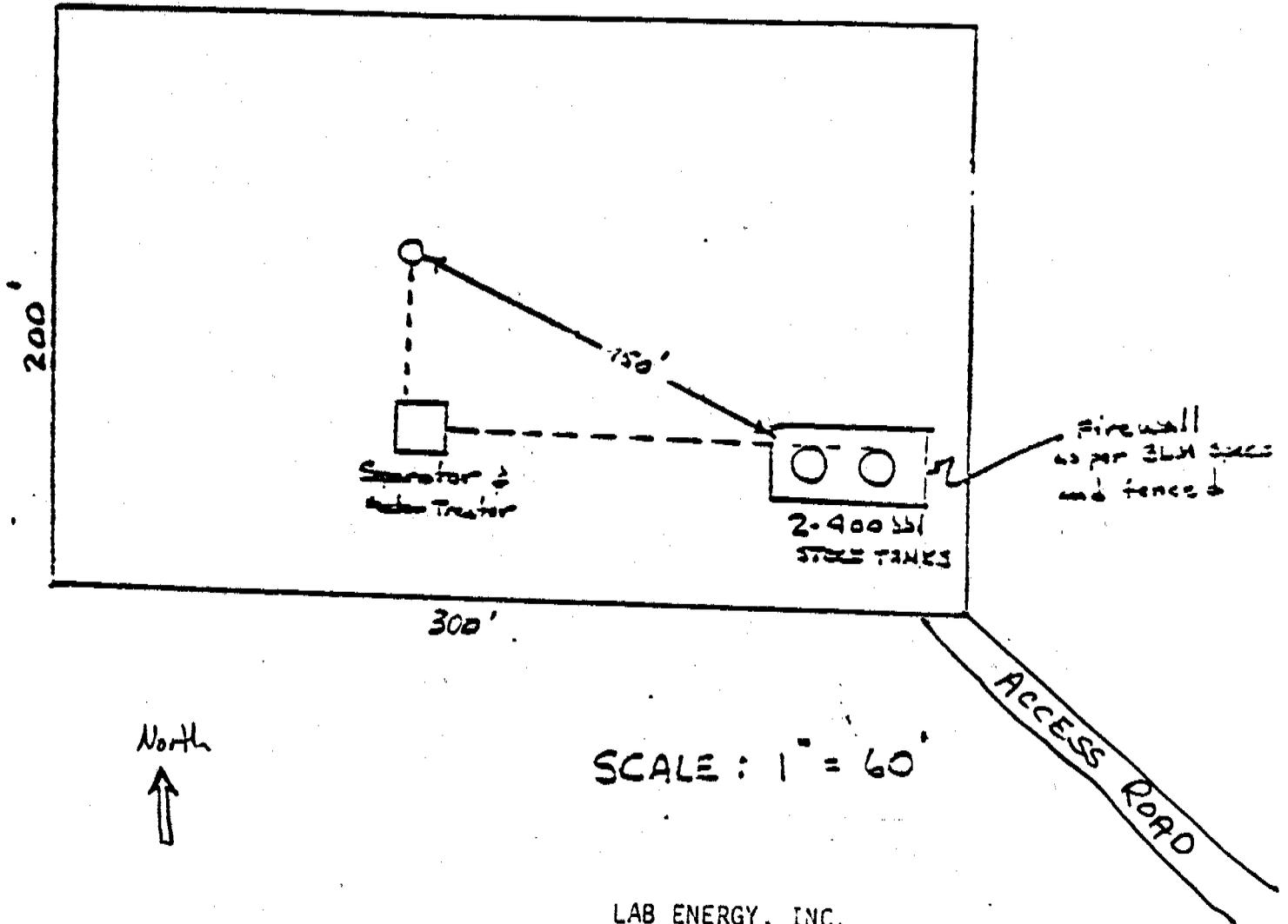
I further certify that the above plat shows the locations as shown on the ground.



Date 11-7-82

Kay L. Ryan

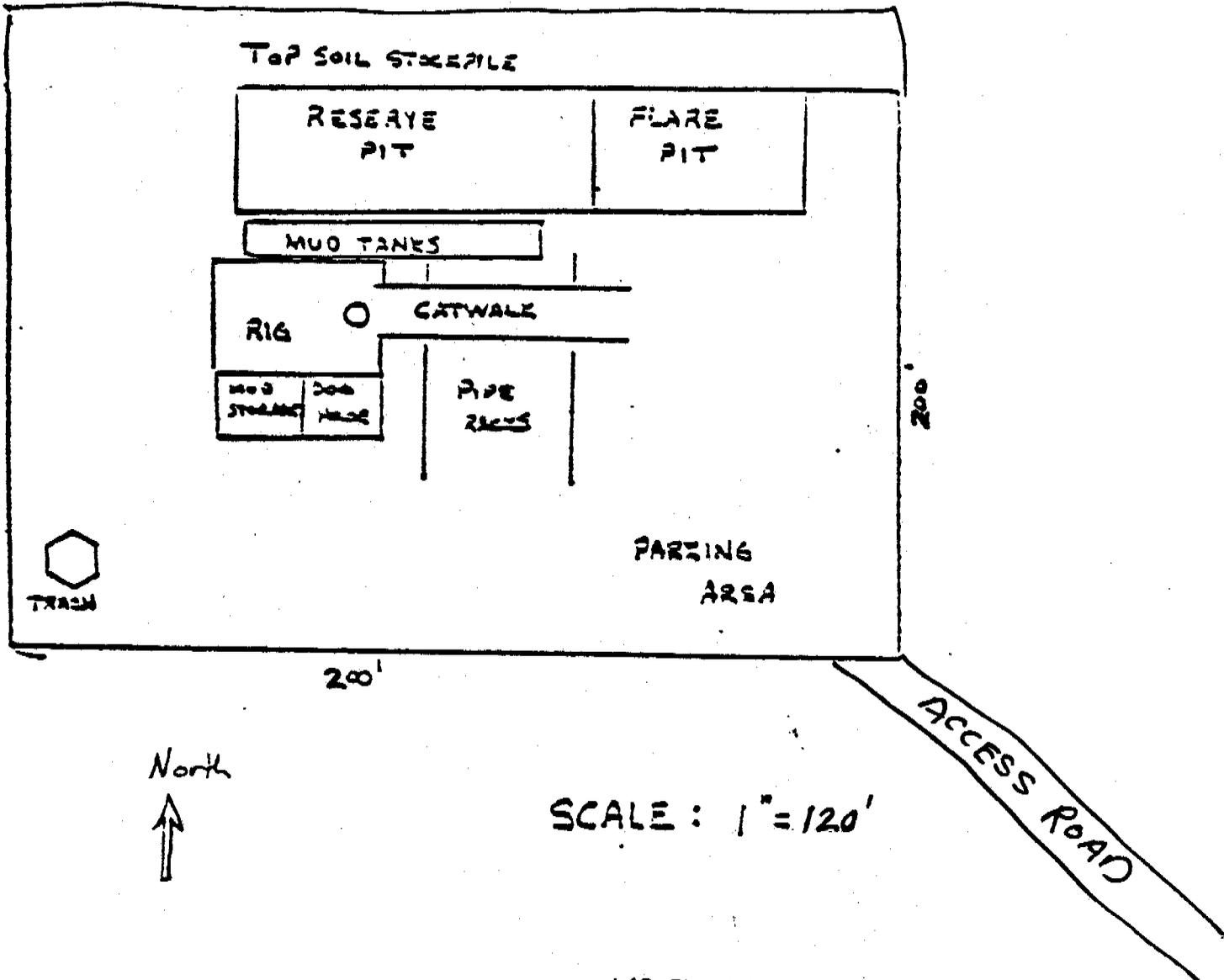
Original Drillsite



LAB ENERGY, INC.

Well #17-10
SE SE Sec. 17 T-7-S, R-4-W
Tooele County, Utah

EXHIBIT III
PRODUCTION FACILITIES LAYOUT



SCALE : 1" = 120'

LAB ENERGY, INC

Well #17-10
 SE SE Sec. 17 T-7-S, R-4-W
 Tooele County, Utah

EXHIBIT IV

RIG LAYOUT

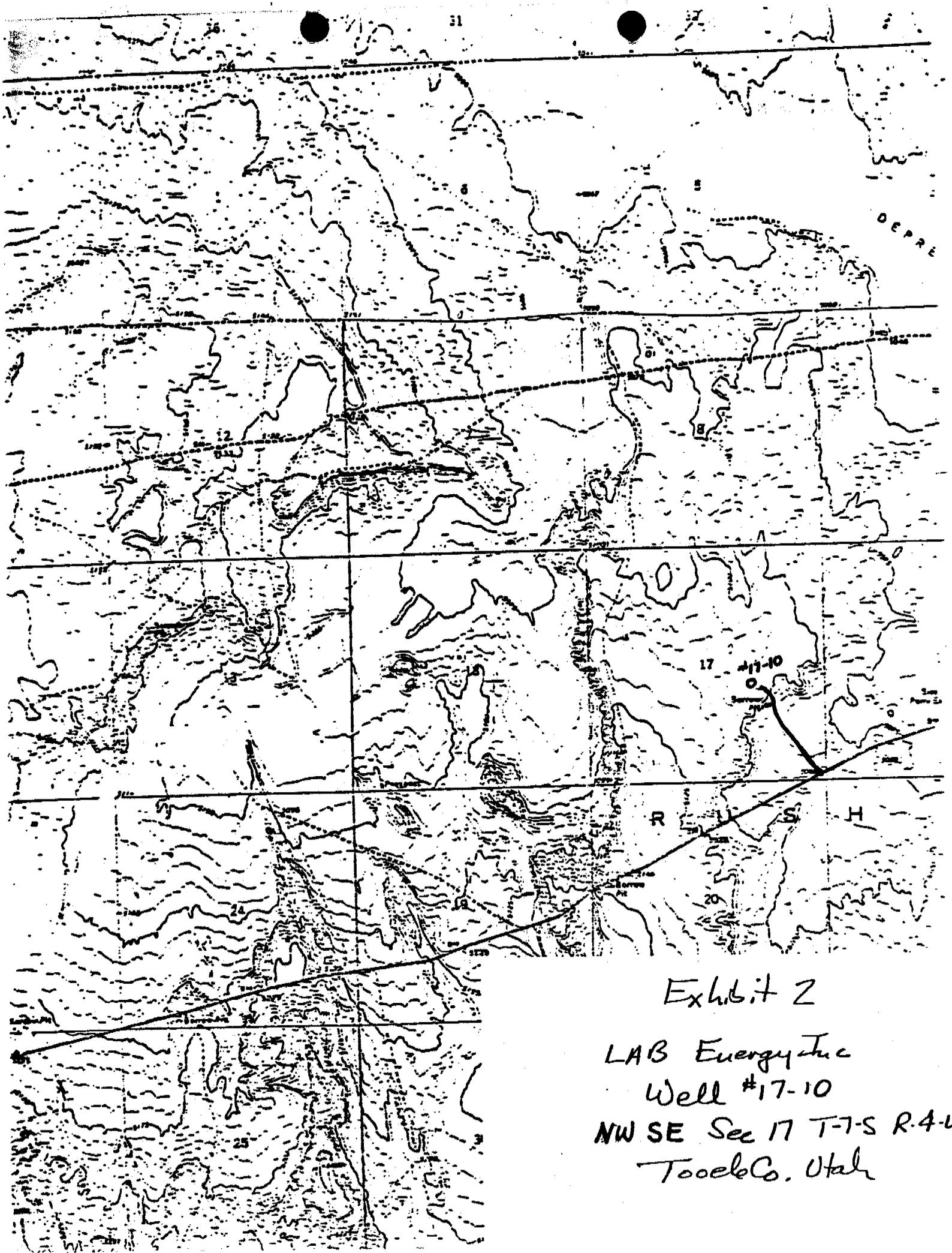


Exhibit 2

LAB Energy Inc
Well #17-10
NW SE Sec 17 T-7-S R-4-U
Tooele Co., Utah

OPERATOR LAB ENERGY INC

DATE 1-6-23

WELL NAME LAB ENERGY 17-10

SEC NW SE 17 T 7S R 4W COUNTY TODDLE

43-045-30017
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

THIS WELL IS NOT INTENDED FOR PRODUCTION, THEREFORE

SPACING CONSIDERATIONS ARE NOT APPLICABLE

Staff - Make a card index showing "not authorized for production"

Rgt ✓ ~~to API~~ and no reporting as new API

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a _____ CAUSE NO. & DATE

c-3-b

c-3-c

OTHER STRATIGRAPHIC

APPROVED -
THIS WELL IS AUTHORIZED FOR STRATIGRAPHIC RESEARCH
ONLY, AND IS NOT AUTHORIZED FOR PRODUCTION OF OIL
OR GAS.

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FEA*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER ND

UNIT ND

c-3-b

c-3-c

OUTSTANDING OR OVERDUE REPORTS FOR OTHER WELLS OF THE OPERATOR.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

*Wanna Jacobs
566-4101*

January 6, 1983

Lab Energy Inc.
7107 South 400 West, Suite 10
Midvale, Utah 84047

RE: Well No. Lab Energy 17-10
NWSE Sec. 17, T.7S, R.4W
Tooele County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to stratigraphic well is hereby granted. This well is approved for stratigraphic research only, and is not authorized for production of oil and gas.

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

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

OR

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

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

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

The API number assigned to this well is 43-045-30017.

Sincerely,

Norman C. Stout
Administrative Assistant

NCS/as
cc: MMS
Enclosure

3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

5. LEASE
U-22604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
RUSH VALLEY

8. FARM OR LEASE NAME
LAB Energy

9. WELL NO.
17-10

10. FIELD OR WILDCAT NAME
Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 17, T-7-S, R-4-W
SLB&M

12. COUNTY OR PARISH
Tooele

13. STATE
Utah

14. API NO.
43-045-30017

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5107' G.L.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
LAB Energy, Inc.

3. ADDRESS OF OPERATOR
7107 South 4th West, Ste. #10 Midvale, Utah 84047

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1946' FSL and 1630' FEL Sec 17
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: — SUBSEQUENT REPORT OF:

- | | | |
|----------------------|--------------------------|--------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | <input type="checkbox"/> |

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

(other) CHANGE STATUS OF APPROVED APD FROM STRATIGRAPHIC TEST TO OIL WELL DRILL TO DEPTH OF 4000' *777*

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

See attached "13 POINT SURFACE USE PLAN" and "10 POINT PLAN".

These planning documents are to be substituted for existing plans filed and approved with stratigraphic test APD.

Additional change planned drilled depth to 4000' *777*

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [Signature] TITLE Consultant S. Lab Energy DATE February 17, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 3-29-83
BY: [Signature]

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

2. TYPE OF WELL
 OIL WELL GAS WELL OTHER Stratigraphic SINGLE ZONE MULTIPLE ZONE

3. NAME OF OPERATOR
 LAB Energy, Inc.

4. ADDRESS OF OPERATOR
 7107 South 400 West, Suite 10, Midvale, Utah, 84047

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1946' FSL and 1630 FEL, Sec 17, T-7-S, R-4-W
 At proposed prod. zone

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 17 miles south of Tooele, Utah

7. DISTANCE FROM PROPOSED LOCATION* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 1/4 mile north of proposed

8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 #17-16 well in Sec 17

9. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5107'

10. LEASE DESIGNATION AND SERIAL NO.
 U-22604

11. IF INDIAN, ALLOTTEE OR TRIBE NAME

12. UNIT AGREEMENT NAME

13. FARM OR LEASE NAME
 LAB Energy

14. WELL NO.
 #17-10

15. FIELD AND POOL, OR WILDCAT
 Undesignated

16. SEC., T., E., M., OR BLK. AND SURVEY OR AREA
 NW SE Section 17
 T-7-S, R-4-W

17. COUNTY OR PARISH 18. STATE
 Tooele Utah

19. NO. OF ACRES IN LEASE
 2300±

20. NO. OF ACRES ASSIGNED TO THIS WELL
 320

21. PROPOSED DEPTH
 3000'

22. ROTARY OR CABLE TOOLS
 Rotary

23. APPROX. DATE WORK WILL START*
 12-5-82

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	40#	250'	400 SX
7 7/8"	5 1/4"	20#	3000'	100 SX

Blowout preventers:

10" 5000# WP

Drill and complete 3000' test well
 Set new casing as indicated above, casing head 3000# WP
 Low water loss mud with non-disperwed system will be used from 1500' to TD.
 Run electric and radioactive logging surveys, i.e., DIL CNO-Density, GR, Sonic.



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.

SIGNED Allen E. Jacobs TITLE Vice President DATE 11/12/82
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

13 POINT SURFACE USE PLAN

LAB ENERGY, INC.
#17-10
Section 17, T-7-S, R-4-W
Tooele County, Utah

RECEIVED
MAY 17 1987
DIVISION OF
OIL GAS & MINING

1. Existing Roads

a. Proposed Wellsite Location:

As surveyed by registered land surveyor, is located 1946' north and
1630' West of SE corner, Sec. 17, T-7-S, R-4-W, Tooele County, Utah
See Exhibit I

b. Planned Access Route:

From Faust, drive 4.8 miles east-northeast on county gravel road. Turn
north (left) onto light duty dirt road. Go northeast 0.2 miles.

c. Access Road Labeled:

See Exhibit II - Red - existing (gravel pit access) road. Existing
road to be extended.

d. If exploratory well, all existing roads within 3 miles:

See Exhibit II.

1. e. If development well, all existing roads within a one mile radius of well-site:

N/A

f. Plans for improvement and/or maintenance of existing roads:

The existing road (trail) may require widening. The existing and new road may require periodic grading and gravelling to maintain proper drainage. Gravel source will be native and will be taken from existing borrow pit site 1/8 mile south along the access road.

2. Planned Access Route

Route Location:

The planned new access route was selected to provide the shortest distance to the well site with acceptable grades from the existing county road. The new access road will be for the most part, on the existing road (trail). A temporary access will be built initially; if well is productive, the temporary road will be improved as follows:

1.) Width: The average dirt width will be 20 feet. The average traveled surface width will be 20 feet. Road construction will be in accordance with typical roadways requested by the U.S. Bureau of Land Management.

2.) Maximum Grade: The maximum grade allowed will be 5°.

3.) Turnouts: Not required.

4.) Drainage Design. Prior to construction of the new access road, the brush and topsoil will be sidrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1

2. Planned Access Route, continued

5.) Culverts Use, Major Cuts and Fills:

Culverts will not be required. Cuts and fills will be minimum.

6.) Surfacing Material: The proposed access road will be constructed with native fill.

7.) Gates, Cattleguards, Fence Cuts: Not required.

8.) New Portion of road will be center flagged.

USE PLAN

3. Location of Existing Wells

The proposed well is a oil and gas test. There is no known well (water, abandoned, temporarily abandoned, disposal and drilling) within a 2 mile radius/

4. Location of Existing and/or Proposed Facilities

a. Existing facilities within one mile radius owned or controlled by operator:

- (1) Tank Batteries: none
 - (2) Production Facilities: none
 - (3) Oil Gathering Lines: none
 - (4) Gas Gathering Lines: none
 - (5) Injection Lines: none
 - (6) Disposal Lines: None
- _____

b. New Facilities in Event of Production:

- (1) Few facilities: Wellhead, production separator, pumping unit, storage tanks, all constructed on disturbed ground.
 - (2) Dimension of the facilities are shown on Exhibit III.
 - (3) Construction methods will be to strip the topsoil and the drilling pad. Construction methods will be employed to assure that no drainage flows are impounded to prevent the loss of any hydrocarbons from the site to facilitate rapid cleanup and recovery of the loss.
 - (4) Protective measures to protect wildlife and livestock: Open pits will be flagged and fenced.
- _____

4. c. Plan for rehabilitation of disturbed areas no longer needed for operations after construction is completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded as per BLM specifications.

5. Location and Type of Water Supply

a. The water source has not yet been determined but will be from a legal private source.

b. Water transportation system: water will be hauled in trucks from an undetermined source.

c. Water wells: none available.

6. Source of Construction Materials

a. Materials: Construction materials will consist of soil encountered within the boundaries of the proposed site. Topsoil will be stripped to a depth of 6 inches and stockpiled in an area that does not interfere with operations (northeast of location).

b. Land Ownership: The planned site and access roads lie on Federal land administered by the ULS. Department of the Interior, U.S. Bureau of Land Management

c. Material Foreign to Site: N/A

d. Access road shown under Item 2.

e. Gravel will be available from existing borrow pit located along an existing road near the center of the SE/4 Sec. 17, T-7-S, R-4-W.

7. Methods of Handling Waste Materials

a. Cuttings: Will be contained within the limits of the reserve pit.

b. Drilling Fluids: Will be retained in the reserve pit.

c. Produced Fluids: No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Previous to clean-up operations, the hydrocarbon materials will be skimmed or removed as the situation would indicate.

d. Sewage: Sanitary facilities will consist of at least one chemical toilet. Waste will be contained in a pit and backfilled immediately following the drilling operations or removed to sanitary disposal facility.

e. Garbage: A burn cage will be constructed and fenced with small mesh wire. The refuse will be removed from the area and taken to a landfill.

f. Clean Up Well Site: The surface of the drill pad will be cleaned and graded. The "mouse hole" and "rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

8. Ancillary Facilities

Use Plan

9. Well-site Layout

(1) Well location is relatively flat and requires minimal cuts and fills.

Any cuts and fills needed will be determined at on-site inspection.

Surface soil will be stockpiled on the northeast side of location, 12" high.

(2) Location of Pits: See Exhibit IV.

(3) Rig orientation: See Exhibit IV.

(4) Pits will be unlined, unless otherwise required.

10. Plans For Restoration of Surface

a. Reserve Pit Cleanup: The pit will be fenced prior to rig release and shall be maintained until cleanup. Previous to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per BLM recommendation during the appropriate season following final restoration of the site.

b. Restoration Plans - Production Developed:

The reserve pit will be backfilled and restored as described under Item 10a. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on those areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item 10c.

10. c. Restoration Plans - No Production Developed:

The reserve pit will be restored as described in Item 10a above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per BLM requirements.

11. Other Information

a. Surface Description:

The proposed site is located in Rush Valley, some 4 miles south of Tooele Army Depot (south area) in Tooele County, Utah. The valley is a broad, arid area located between the Oquirrh Mountains on the east and the Onacui Mountains on the west. The site is situated along a low swell. The vegetation is sparse, consisting of annuals and grasses interspersed with occasional salt brush on the low swells with sagebrush, rabbit brush and snakeweed along occasional alkali washes.

b. Other Surface Use Activities:

The surface is predominantly Federally owned and managed by the BLM/USGS. Some sheep grazing is apparent during the winter season.

c. Proximity of Water, Dwelling, Historical Sites:

1. Water - none known.

2. Dwellings: none

3. Historical Sites: An archaeological cultural resource survey is to be conducted on this location. The report is expected to be available as soon as practical, and will be forwarded to appropriate Federal and State offices.

12. Operator's Representative

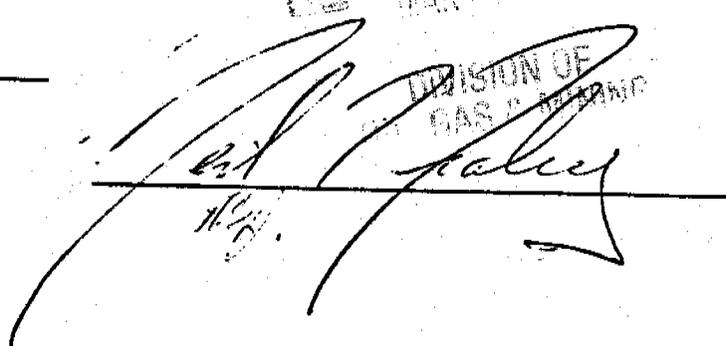
Field Personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

<u>LAB Energy, Inc.</u>	<u>Rocky Mountain Petroleum Consultants, Inc</u>
<u>Arlon Jacobs</u>	<u>Neil T. Foley</u>
<u>7107 South 400 West</u>	<u>8748 Oak Valley Drive</u>
<u>Midvale, Utah 84047</u>	<u>Sandy, Utah 84092</u>
<u>Office: 801/566-4104</u>	<u>Office: 801/942-4860</u>
	<u>Home: 801/942-2429</u>

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 as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by LAB ENERGY, INC and its contractors and sub-contractors will conform to this plan.

DATE: 2/7/83


NEIL T. FOLEY
MAR 07 1983
DIVISION OF
GAS & PETROLEUM

10 POINT PLAN

LAB ENERGY, INC.
Section 17, T-7-S, R-4-W
Tooele County, Utah

RECEIVED
MAY 14 1982
DIVISION OF
OIL & GAS ADMINISTRATION

1. Geological name of the surface formation: Salt Lake Group (Tertiary)

2. Estimated tops of geological markers: Salt Lake Group - 100'

(Tops are only estimates; there are no geological control wells in the area.)

3. Estimated depths anticipated to encounter water, oil, gas or other mineral bearing formations: Unknown, weak geological control

4. Casing program: See Form (-331C, Item #23)

5. Blowout Preventors:

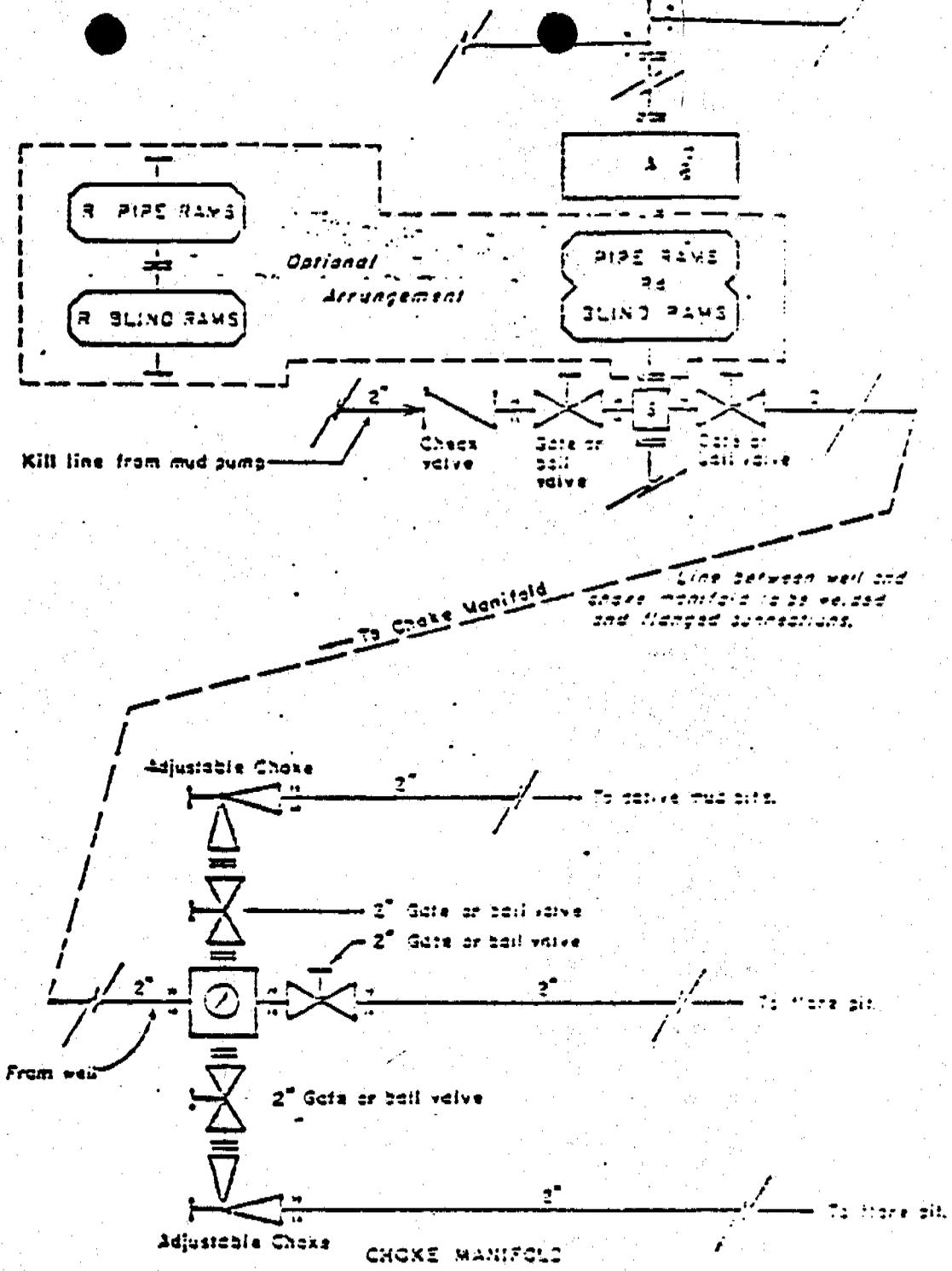
Hydraulic double rams with 300 psi rated BOP. One set of pipe rams will be provided for each size drill pipe in the hole. One set of blind rams will be installed at all times. Fill lines, kill lines and choke relief line will be 2", 3000 psi rated. BOP will be tested daily and noted on IADC Daily Drilling Report. After running surface casing and prior to drilling out, BOP will be tested to full working pressure. Thereafter, the BOP will be checked daily for mechanical operations only and will be noted on the IADC Report. See Exhibit "A".

6. Mud Program:

Approximate Interval	Type Mud	Weight #/gal.	Viscosity	W.L.
0 - 1500'	Native	8.3 - 8.5	As needed	NC
1500' - 3000'	Gel/low solids	8.5 - 9.0	32-35	10-15 sec

7. Auxillary Equipment:

- a. Kelly cock will be in use at all times.
- b. Full opening stabbing valve will be present on floor at all times.
- c. Mud monitoring will be visual to 1500'. No abnormal pressures are anticipated. Mud logger, pit level indicator.
- d. 2" - 3000 psi choke manifold with remote control choke will be on well. See Exhibit "a".



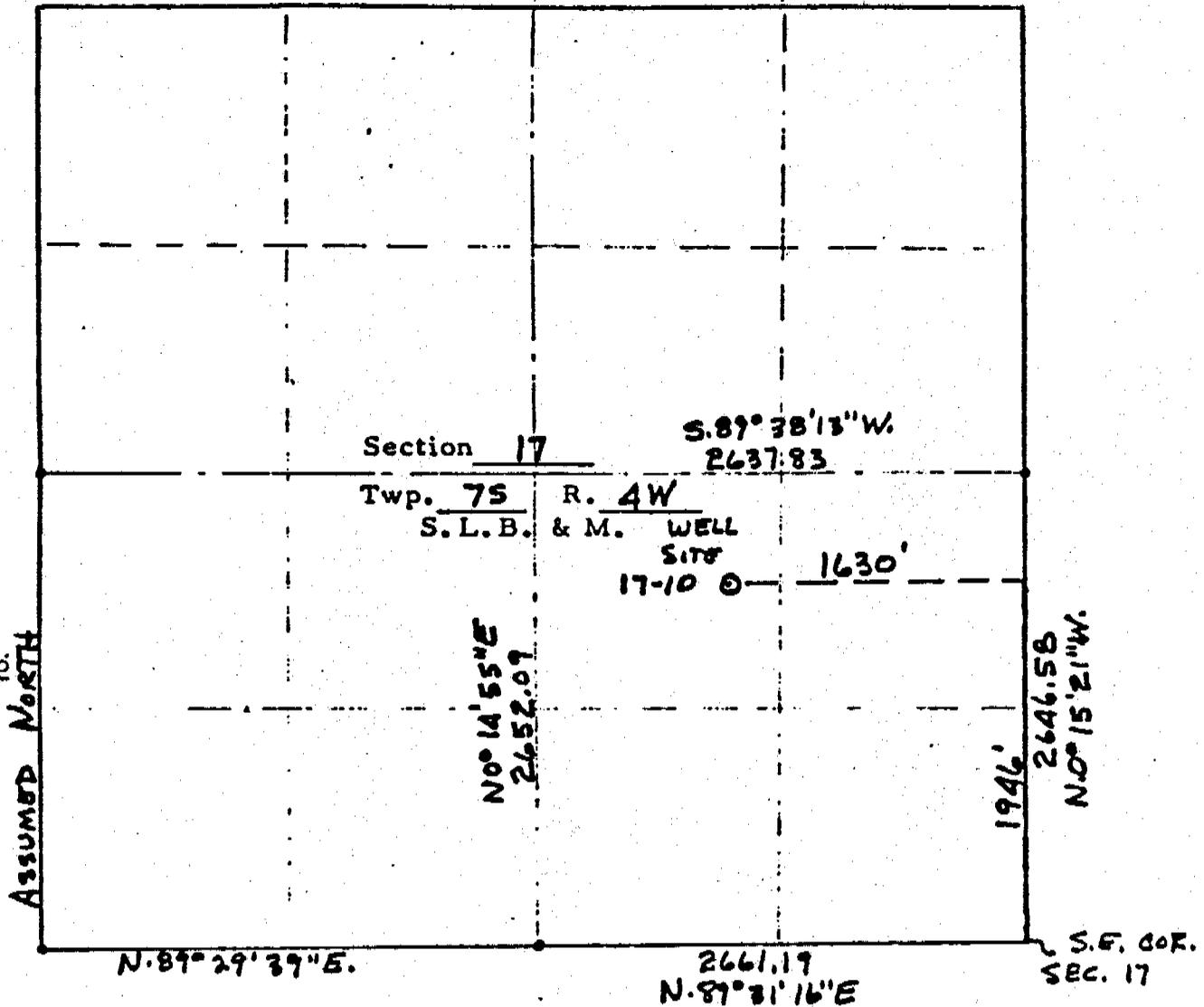
- All equipment to be 3,000 psi working pressure except as noted.
- Rd Double ram type preventer with two sets of rams.
 - R Single ram type preventer with one set of rams.
 - S Crilling spool with side outlet connections for chokes and kill lines.
 - A Annular type blowout preventer.

Exhibit 'A'

Sec. 17, T-7-S, R-4-W
Tooele County, Utah

Required Minimum Blowout Preventer
and Choke Manifold

SCALE: 1" = 1000'



SURVEYOR'S CERTIFICATE

I, Kay L. Ryan, of Ryan Engineering Inc., do hereby certify that I am a Registered Land Surveyor, and hold certificate No. 4385 as prescribed by the laws of the State of Utah, and have made a survey as shown on this plat of:

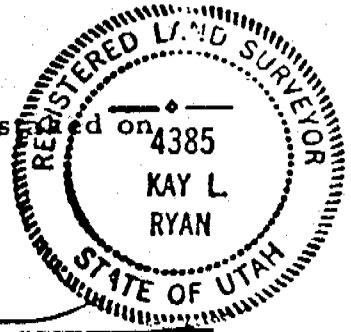
LAB Energy Inc., Federal #17-10, located North 1946 ft. and West 1630 ft. from the Southeast Corner, Section 17, Township 7 South, Range 4 West, Salt Lake Meridian.

Ground Line Elevation: 5107 (Approx.)

I further certify that the above plat shows the locations as shown on the ground.

Date 11-7-82

Kay L. Ryan



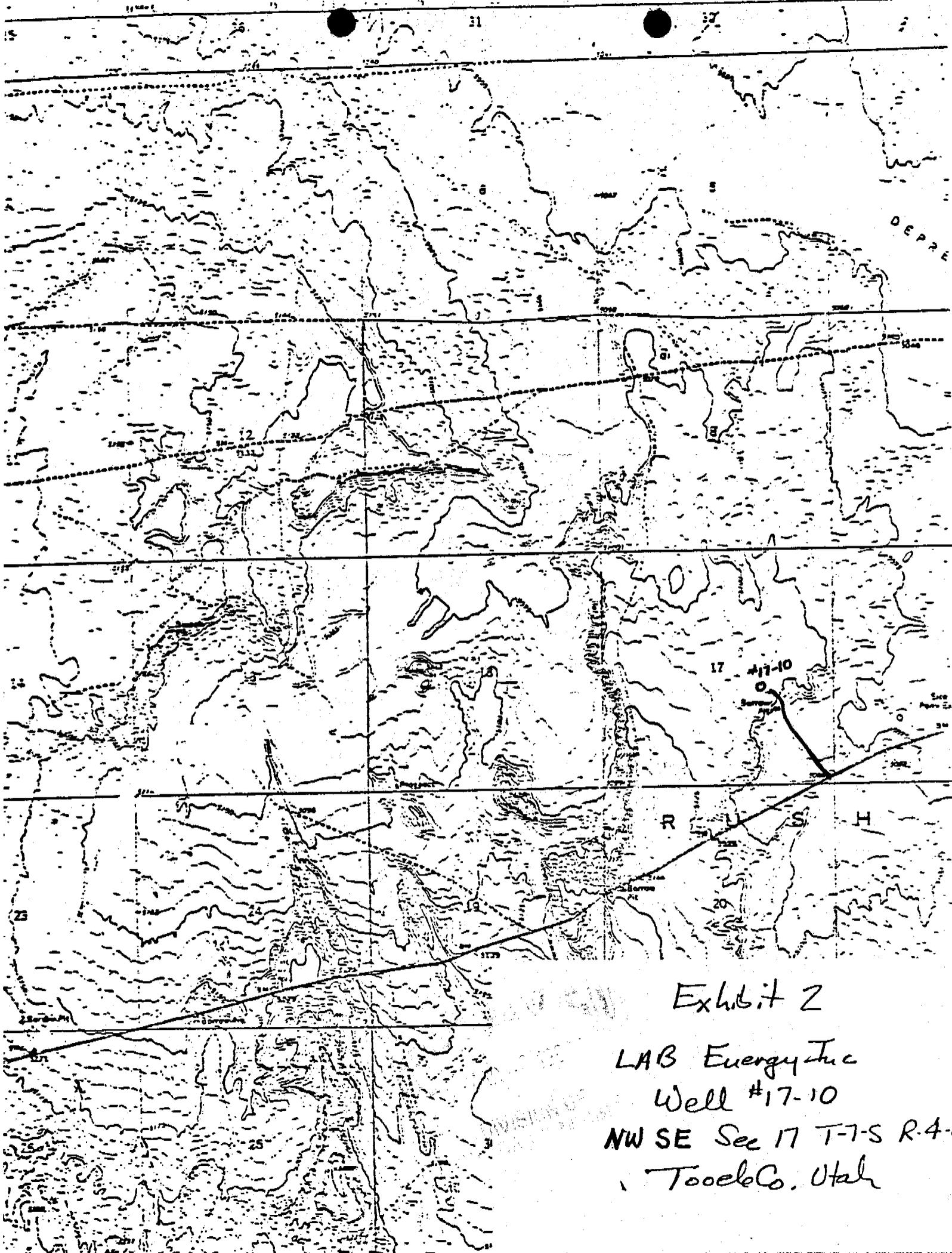
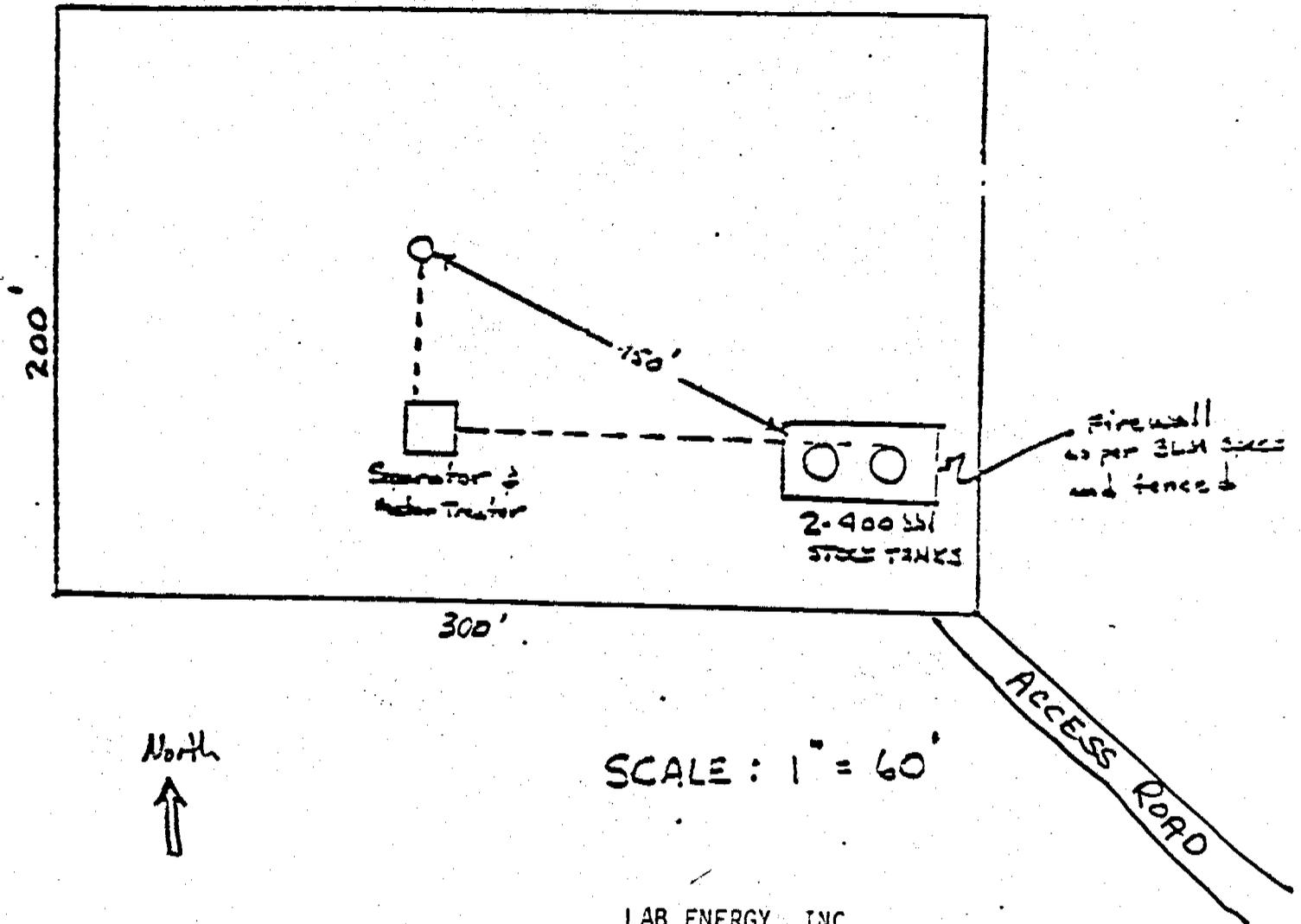


Exhibit 2

LAB Energy Inc
Well #17-10
NW SE Sec 17 T-7-S R-4-u
Tooele Co, Utah

Original Drillsite

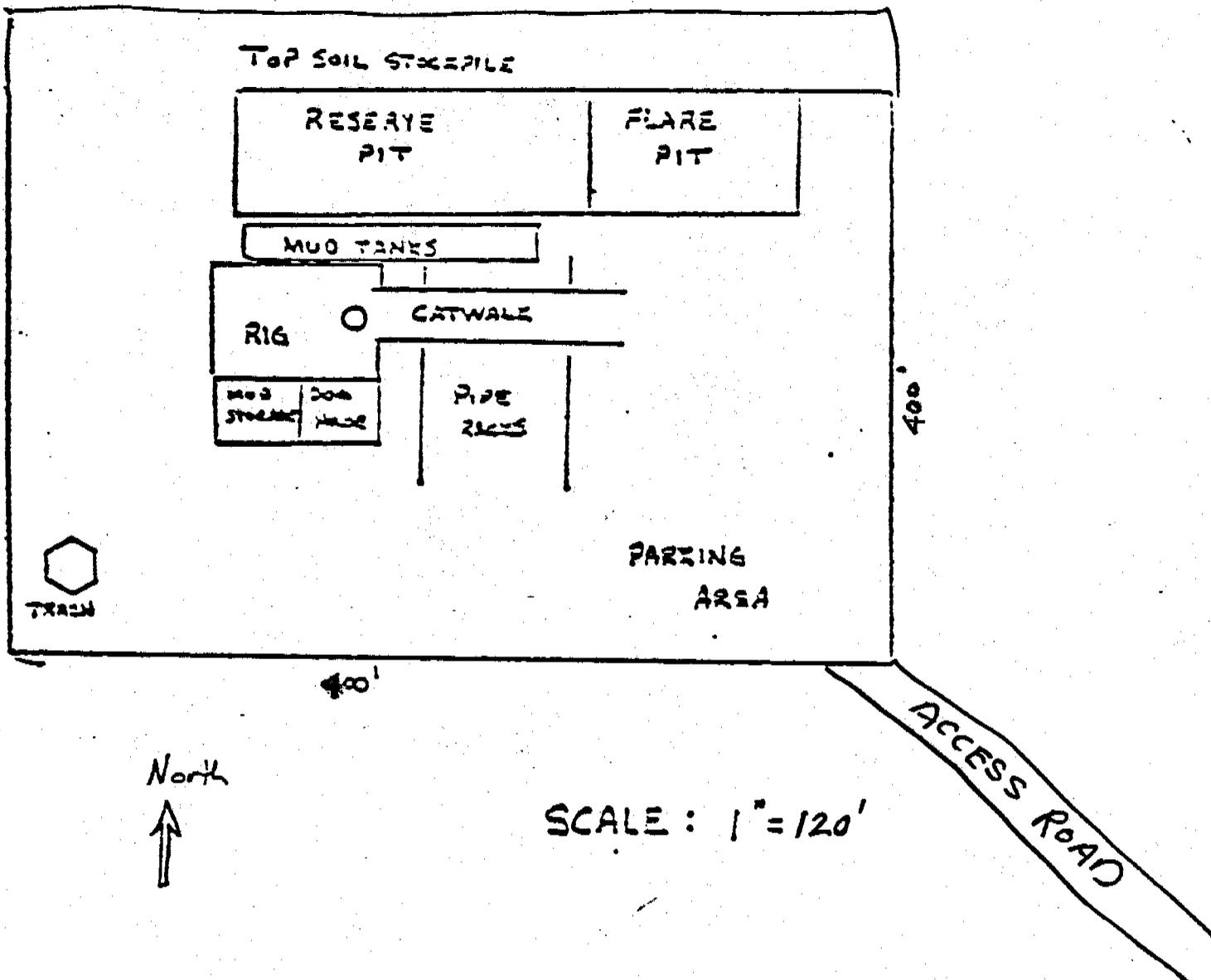


LAB ENERGY, INC.

Well #17-10
NW, SE Sec. 17 T-7-S, R-4-W
Tooele County, Utah

EXHIBIT III

PRODUCTION FACILITIES LAYOUT



North
↑

SCALE : 1" = 120'

LAB ENERGY, INC
Well #17-10
NW, SE Sec. 17 T-7-S, R-4-W
Tooele County, Utah

EXHIBIT IV
RIG LAYOUT



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

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

March 29, 1983

Lab Energy, Inc.
7107 South 400 West, Suite 10
Midvale, Utah 84047

Gentlemen:

We have received notification that the Rush Valley Unit Agreement was approved effective March 25, 1983. Boundaries of the Unit include Section 17, Township 7 South, Range 4 West in Tooele County where you have received approval from this agency to drill two (2) stratigraphic research wells (Lab Enerby 17-10 and Lab Energy 17-14).

This letter is to remind you that the mentioned wells are not permitted for production of oil or gas, and that it will be necessary to file new or amended applications for permit to drill these wells if you plan to use them for oil or gas production.

Please provide written response as to your intentions for the purpose of these wells.

Respectfully,

A handwritten signature in black ink, appearing to read 'Norman C. Stout'.

Norman C. Stout
Adminstrative Assistant

NCS/as

21

LAB Energy, Inc.

7107 South 400 West, Suite #10
Midvale, Utah 84047
(801) 566-4101

Sandy

April 1, 1983

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, UT 84114

Re: Well No. 17-10

Gentlemen:

This letter is to request a confidential status on the referenced well, No. 17-10, owned by LAB Energy, Inc. A copy of the approved form 9-331 regarding this well is attached.

Very truly yours,

Warren L. Jacobs

Warren L. Jacobs
Project Geologist

WLJ:jc

Attachment

RECEIVED
APR 06 1983
DIVISION OF
OIL, GAS & MINING

NOTICE OF SPUD

CONFIDENTIAL

Company: LAB Energy, Inc

Caller: Neal Foley

Phone: _____

Well Number: 17-10

Location: NW SE 17-75-4W 5LM

County: Tooele State: Utah

Lease Number: U-22604

Lease Expiration Date: _____

Unit Name (If Applicable): _____

Date & Time Spudded: APRIL 30, 1983 5 PM

Dry Hole Spudder/Rotary: Rotary

Details of Spud (Hole, Casing, Cement, etc.) _____

Rotary Rig Name & Number: _____

Approximate Date Rotary Moves In: _____

FOLLOW WITH SUNDRY NOTICE

Call Received By: WJM

Date: 4-30-83

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Drilling well

2. NAME OF OPERATOR LAB ENERGY, INC

3. ADDRESS OF OPERATOR 7107 S. 400 West, Suite 10 Midvale, Utah 84047

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1946' FSL and 1630' FEL, Sec 17 T7S R4W SLB4M
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*
- (other) Deepen drilling to 6500'

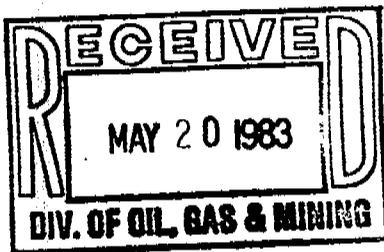
SUBSEQUENT REPORT OF:

-
-
-
-
-
-
-
-

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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

Continue drilling below presently approved depth of 4000'



APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5/17/83
BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED Neil T. Foley TITLE Consulting Engineer DATE 5/17/83
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
LAB ENERGY, INC

3. ADDRESS OF OPERATOR
7107 S. 400 West, Ste #10 Midvale, Utah 84047

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1946' FSL & 1630' FEL Sec 17 T-7S R-4-W SLB 9M
AT TOP PROD. INTERVAL: SLB 9M
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

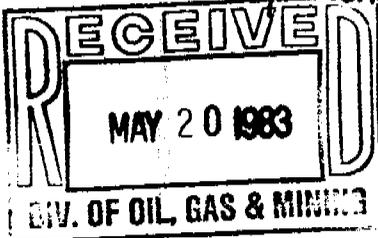
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>

(other) Add Second Reserve Pit for well cuttings

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

See attached RIG Layout. Plan to add #2 Reserve Pit as shown in (dashed-red).
Verbally called in request 5/18/83



APPROVED BY THE STATE
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5/20/83
BY: [Signature]

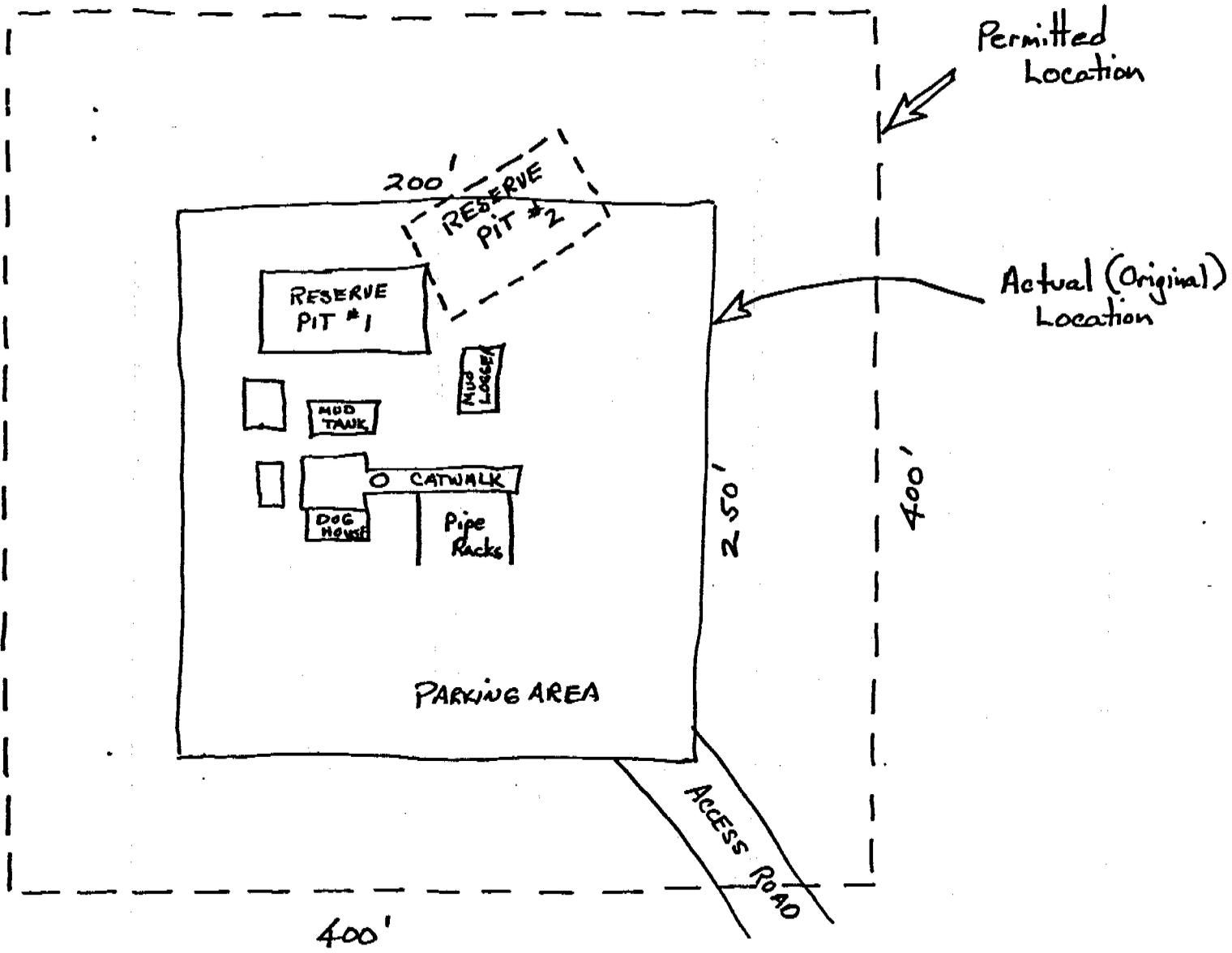
SALT LAKE CITY, UTAH
MAY 20 1983
RECEIVED
DIVISION OF OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct
SIGNED: [Signature] TITLE: Consultant for LAB Energy, Inc DATE: 5/20/83

(This space for Federal or State office use)
APPROVED BY: [Signature] TITLE: DATE: 5/20/83

*See Instructions on Reverse Side



Scale: 1" = 20'

LAB ENERGY, INC
 Well #17-10
 NW, SE Sec 17 T-7-S, R-4-W

RIG LAYOUT

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

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-22604	
2. NAME OF OPERATOR LAB ENERGY, INC		6. FEDERAL LOT OR TRACT OR TRIBE NAME	
3. ADDRESS OF OPERATOR 7107 S. 400 W., Ste #10 Midvale, Utah 84047		7. UNIT AGREEMENT NAME RUSH VALLEY	
4. LOCATION OF WELL (Report location clearly and in accordance with any state requirements. See also space 17 below.) At surface 1946' FSL + 1630' FEL Sec 17, T-7-S, R-4-W SLB+M		8. FARM OR LEASE NAME LAB ENERGY	
14. PERMIT NO. API # 43-045-30017		9. WELL NO. # 17-10	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 5107' GL		10. FIELD AND POOL, OR WILDCAT WILDCAT	
		11. SEC., T., R., M., OR DLT. AND SURVEY OR AREA Sec 17, T-7-S, R-4-W SLB+M	
		12. COUNTY OR PARISH Tooele	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) Chg. Rig & Extend TD <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

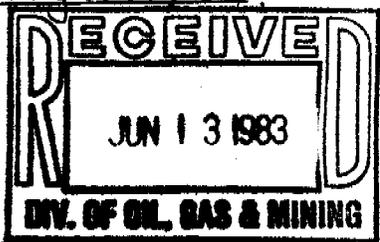
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

Present conditions: 13 3/8" Csg @ 240'
11" hole to 2600'
7 7/8" hole 2600' to 4500'

Presently drilling in Paleozoic Overthrust Fm below 4210' w/ limestone, + silica sand. No water flows or oil/gas shows to date.

Propose to replace existing (small) rig with intermediate depth (larger) rig. Will need to increase location pad from present 200' x 250ft. to 300' x 300' (approx) to accommodate larger rig. Then plan to open existing hole to 12 1/4" from 240' to 4500' ±, run & cement 9 5/8" casing, raising cement 500' or more outside pipe. Plan to drill hole from 4500' to 8500' ± in search of hydrocarbons. Present rig change out required go to insufficient drill collar weight and mud system capacity. Will also change out BOPE when larger rig is in place.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 6/9/83
BY: [Signature]



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

SIGNED: Neil T. Foley TITLE: Consultant for LAB Energy, Inc DATE: 6/9/83

(This space for Federal or State office use)

APPROVED BY: _____ TITLE: _____ DATE: _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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

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

December 5, 1983

Lab Energy, Inc.
7107 S. 400 W. Suite #10
Midvale, Utah 84047

Re: Well No. # 17-10
1946' FSL, 1630' FEL
NW SE, Sec. 17, T. 7S, R. 4W.
Tooele County, Utah
(July 1983 - October 1983)

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

We will be happy to acknowledge receipt of response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones
Well Records Specialist

CS/cj
Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

IN REPLY
REFER TO:

TEMPORARILY ABANDONED WELL REPORT

Operator Lab Energy, Inc. Lease Name Lab Energy - Rush Valley Unit

Lease Number U-22604 Well Number 17-10

Section 17 Township 7S Range 4W B&M Field SLB&M

1. Date well or zone* was completed: 8-19-83
Give the name and interval of the zone: Name _____
Interval _____ ft. to _____ ft.
Initial potential of the well or zone: _____
DATE BOPD BWPD MCFG/D
2. Dates and results of all tests, subsequent to being shut-in, to justify the continued status as a producible well: n/a

or the date and last production data obtained prior to being shut-in: n/a

3. Your estimate of the present daily producing capacity of the well: n/a

4. Is the well capable of producing in paying quantities? Yes _____ No X
5. Statement of the reason for not placing the well on production: Well has not reached objective depth.
and the reason for wishing to retain the well rather than plugging and abandoning it: Proposed to re-enter and deepen to the Ordovician - Fish Haven estimated to be 16,500'.
6. The date on which the well or zone was shut-in and the reason for shutting-in the well or zone: 8-19-83 - Rig was unable to drill to the re-defined objective.
7. What action does the operator propose in regard to this well?
Form 9-331 "Application for Permit to Deepen" will be submitted by operator to deepen to 16,500'. Work to begin August, 1984.

*Zone" refers to a multizone well which may still be producing while one or more zones are shut-in.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(FORM 9-329)
(2/76)
OMB 42-RO 356

Lease No. 11-220604
Communitization Agreement No. _____
Field Name Wildcat
Unit Name Rush Valley
Participating Area _____
County Tooele State Utah
Operator Lab Energy, Inc.
 Amended Report

MONTHLY REPORT
OF
OPERATIONS

The following is a correct report of operations and production (including status of all unplugged wells) for the month of October, 19 83
(See Reverse of Form for Instructions)

This report is required by law (30 U.S.C. 189, 30 U.S.C. 359, 25 U.S.C. 396 d), regulation (30 CFR 221.60), and the terms of the lease. Failure to report can result in the assessment of liquidated damages (30 CFR 221.54 (j)), shutting down operations, or basis for recommendation to cancel the lease and forfeit the bond (30 CFR 221.53).

Well No.	Sec. & 1/4 of 1/4	TWP	RNG	Well Status	Days Prod.	*Barrels of Oil	*MCF of Gas	*Barrels of Water	Remarks
17-10	NWSE Sec. 17	75	4W	T.A.	0				Subject well was temporarily abandoned on August 19, 1983. Well is to be deepened in August, 1984. Application for Permit to Deepen will be submitted.

*If none, so state.

DISPOSITION OF PRODUCTION (Lease, Participating Area, or Communitized Area basis)

	Oil & Condensate (BBLs)	Gas (MCF)	Water (BBLs)
*On hand, Start of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Produced	_____	_____	_____
*Sold	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Spilled or Lost	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*Flared or Vented	XXXXXXXXXXXXXXXXXXXX	_____	XXXXXXXXXXXXXXXXXXXX
*Used on Lease	_____	_____	XXXXXXXXXXXXXXXXXXXX
*Injected	_____	_____	_____
*Surface Pits	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX	_____
*Other (Identify)	_____	_____	_____
*On hand, End of Month	_____	XXXXXXXXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXX
*API Gravity/BTU Content	_____	_____	XXXXXXXXXXXXXXXXXXXX

Authorized Signature: _____ Address: 70 East South Temple, Ste. 211
Title: Consulting Petroleum Engineer Page 1 of 1 SLC, UT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE
(See instructions on reverse side)

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

Confidential **10**

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 Temporary Abandonment

2. NAME OF OPERATOR
Lab Energy, Inc.

3. ADDRESS OF OPERATOR
7107 South 400 West, Ste. 10, Midvale, Utah 84047

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface
1946 FSL, 1630 FEL, Sec. 17, T-7-S, R-4-W SLB & M
 At top prod. interval reported below
 At total depth
7132' TD 1678 FSL, 1536 FEL

14. PERMIT NO. 43-045-30017 DATE ISSUED 1-6-83

5. LEASE DESIGNATION AND SERIAL NO.
U-22604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
Rush Valley

8. FARM OR LEASE NAME
Lab Energy

9. WELL NO.
17-10

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 17, T-7-S, R-4-W SLB & M

12. COUNTY OR PARISH
Tooele

13. STATE
Utah

15. DATE SPUDDED 4-30-83 16. DATE T.D. REACHED 8-7-83 17. DATE COMPL. (Ready to prod.) 8-19-83 Temp. Aband. 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5107 GL 5115 KB 19. ELEV. CASINGHEAD -----

20. TOTAL DEPTH, MD & TVD 7132 MD 21. PLUG, BACK T.D., MD & TVD N/A 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS 7132' CABLE TOOLS -----

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

25. WAS DIRECTIONAL SURVEY MADE Yes
Wetex & Schlumberger

26. TYPE ELECTRIC AND OTHER LOGS RUN
BHC SWD TD LDT/CN LSL LSS & LOOK HOT NGP

27. WAS WELL CORED
No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
<u>13-3/8</u>	<u>48 & 54</u>	<u>240'</u>	<u>17"</u>	<u>425 sx. Class H-Surface</u>	<u>None</u>
<u>9-5/8</u>	<u>40 LB/FT</u>	<u>4490</u>	<u>12 1/2"</u>	<u>400 sx. Class H</u>	<u>None</u>

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
<u>N/A</u>				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<u>N/A</u>		

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

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<u>N/A</u>	

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Temporarily Abandoned WELL STATUS (Producing or shut-in) TA

DATE OF TEST	HOURS TESTED	CHOKE 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 _____

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 Thomas E. Wolter TITLE Consulting Petroleum Engineer DATE Dec. 14, 1983
Thomas E. Wolter

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (Drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

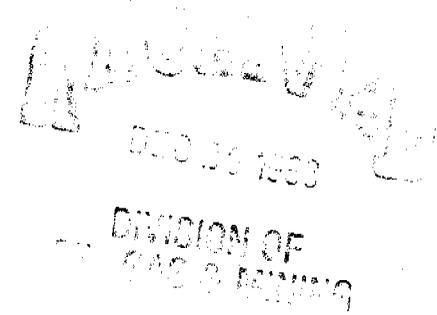
Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

FORMATION	TOP		DESCRIPTION, CONTENTS, ETC.	BOTTOM	
	MEAS. DEPTH	TRUE VERT. DEPTH		MEAS. DEPTH	TRUE VERT. DEPTH
	Pliestocene	0 - 700'			
	S.L. Group - Miocene	700 - 2460'			
	Oligocene	2460 - 4217'			
	Penn-Oquirrh (Butterfield Peaks)	4217 - 4640'			
	Penn-Oquirrh (West Canyon Limestone)	4640 - TD'			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other Wildcat

2. NAME OF OPERATOR
Lab Energy Inc.

3. ADDRESS OF OPERATOR
7107 S 400 W, Midvale, Utah 84047

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NWNWSE 17, T 7 S, R 4 W
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-22604

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
Rush Valley Unit

8. FARM OR LEASE NAME
Lab Energy Inc.

9. WELL NO.
17-10

10. FIELD OR WILDCAT NAME
Rush Valley-Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 17, T 7 S, R 4 W. S.L.M.

12. COUNTY OR PARISH
Tooele

13. STATE
Utah

14. API NO.
43-045-30017

15. ELEVATIONS (SHOW DF, KDB, AND WD)

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) Temporarily Abandon

SUBSEQUENT REPORT OF:

RECEIVED
DEC 24 1984

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

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

Temp. Abandoned, 8/83. Drilled to TD 7130', Oquirrh Formation. 9 5/8" casing set at 4490'. Cast Iron Bridge Plug at 4365'. Well head left on with 1/4" steel plate welded on top. Hole was left full of water. Plan to continue in present status until at least two additional wells have been drilled in near vicinity. Results of these wells will determine final status. Operator may wish to re-enter this hole.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Keith M. Hebertson TITLE P.E. DATE 12/18/84

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

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

DATE: 7/12/85
BY: [Signature]

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPLICATE*
(Other instruction: 2 reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO.
U-56554 (formerly U-2260.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Rush Valley Unit (terminate

8. FARM OR LEASE NAME
LAB Energy

9. WELL NO.
#17-10

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 17, T7S, R4W, S1M

12. COUNTY OR PARISH
Tooele

13. STATE
Utah

OIL WELL GAS WELL OTHER Wildcat, Temp. Abandoned

2. NAME OF OPERATOR
LAB Energy, Inc.

3. ADDRESS OF OPERATOR
7107 So. 400 W. #10, Midvale, Utah 84047

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
1630 FEL, 1946 FSL

14. PERMIT NO. 43-045-30017

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5107 GR

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <u>Temporarily Abandon</u>	

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

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

A subsequent report of Temp. Abandonment was filed on 12/18/84, We plan to continue in present status until at least two additional deep wells have been drilled in near vicinity. Results of these wells will determine if hole is to be deepened or plug/abdn. LAB Energy may wish to re-enter this hole.

Mud pits will be filled and condition of location improved to prepar for deepening or plugging and restoration .

Improvement is scheduled for Sept. 1985. Our office will notify you so as you can witness the work.

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

SIGNED Walter L. Gaud TITLE Vice President DATE 9/18/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 OIL AND GAS INSPECTION RECORD

grl.

OPERATOR Lab Energy LEASE U-22604
 WELL NO. Rush Valley #17-10 API 43-045-30017
 SEC. 17 T. 7S R. 4W CONTRACTOR _____
 COUNTY Tooele FIELD Wildcat

DRILLING/COMPLETION/WORKOVER:

APD WELL SIGN HOUSEKEEPING BOPE
 SAFETY POLL. CONTROL SURFACE USE PITS
 OPERATIONS OTHER _____

SHUT-IN N / TA Y : Y HOUSEKEEPING Y EQUIPMENT* Y SAFETY
 WELL SIGN
 OTHER

ABANDONED:
 MARKER HOUSEKEEPING REHAB. OTHER

PRODUCTION:
 WELL SIGN HOUSEKEEPING EQUIPMENT* FACILITIES*
 METERING* POLL. CONTROL PITS DISPOSAL
 SECURITY SAFETY OTHER _____

GAS DISPOSITION:
 VENTED/FLARED SOLD LEASE USE

LEGEND: Y - YES OR SATISFACTORY
 N - NO OR UNSATISFACTORY
 NA - NOT APPLICABLE

*FACILITIES INSPECTED: Location and wellhead

REMARKS: Brazing head flange on conductor pipe with surface casing sticking out. Surface casing has well cap with 3" bull plug

ACTION: Inform BLM of inspection. Request well sign.

INSPECTOR: Goodwin + Ruel DATE 8-12-86



120141

121090

cc: State of Utah

TA

IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
SALT LAKE DISTRICT OFFICE2370 South 2300 West
Salt Lake City, Utah 841193160
83-APD-3 (U-56554)
85-APD-1 (U-22640)
85-APD-12 (U-52938)
86-APD-1 (U-37742)
86-APD-2 (U-37742)Mr. Warren Jacobs
Lab Energy Inc,
7107 South 400 West
Suite 10
Midvale, Utah 84047RECEIVED
NOV 21 1986DIVISION OF
OIL, GAS & MINING

Dear Mr. Jacobs,

43-045-30017

Your two applications to drill oil and gas wells 17-14 and 14-12 expired on November 6, 1986. The two approved sundry notices for temporary abandonment of wells 17-10 and 19-3 will expire on November 18, 1986. Your application to drill well 20-4 expired on February 15, 1986.

Oil and gas well 17-10 needs to be plugged and abandoned and the site recontoured, scarified, and reseeded. Please submit your proposed plugging program for our review. Oil and gas well 19-3's site needs to be scarified and reseeded. Site 14-12 needs to have the conductor pipe cut at the surface and a well marker cemented in place. The site must be recontoured, scarified, and reseeded. The reclamation of the access roads will be discussed on a case by case basis to determine the degree of reclamation required.

According to the conditions of approval for the temporary abandonment of wells 19-3 and 17-10, Lab Energy is required to "commence total restoration and reseeded" of these sites. Site 14-12 must be reclaimed as outlined in the approved Application for Permit to Drill (APD) and the supplemental stipulations of approval which were approved November 6, 1985. Reclamation of these sites must be initiated within 30 days of receipt of this notice. Please submit your proposed reclamation schedule.

According to our records, no surface disturbance has occurred at sites 20-4 and 17-14. This office requires a letter confirming that no surface disturbance has occurred on these drill sites.

We will be available to meet with you and your contractor onsite to ensure reclamation is completed to our standards. Feel free to contact me at (801) 524-5348 if you have any questions.

Sincerely,
HOWARD HEDRICKHoward Hedrick
Pony Express Area Managercc: U-922, Branch of Fluid Minerals
U-942, Branch of Land and Mineral Operations
Division of Oil, Gas, and Mining,
State of Utah



120141

State of Utah

TA

121090

IN REPLY REFER TO:

3160

United States Department of the Interior

83-APD-3 (U-56554)
85-APD-1 (U-22640)
85-APD-12(U-52938)
86-APD-1 (U-37742)
86-APD-2 (U-37742)

BUREAU OF LAND MANAGEMENT SALT LAKE DISTRICT OFFICE

2370 South 2300 West
Salt Lake City, Utah 84119

RECEIVED
NOV 21 1986
1-8 NOV 1986

Mr. Warren Jacobs
Lab Energy Inc,
7107 South 400 West
Suite 10
Midvale, Utah 84047

DIVISION OF
OIL, GAS & MINING

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h you and your contractor onsite to ensure standards. Feel free to contact met at (801) ns.

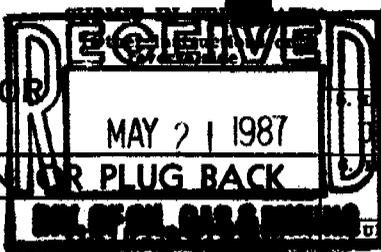
No action required by us until P&A notice is received.
JRB

Sincerely,
HOWARD HEDRICK

Howard Hedrick
Pony Express Area Manager

als
Ineral Operations
Ining,

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT



Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

CLASS DESIGNATION AND SERIAL NO.
56554
INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1A. TYPE OF WORK
 DRILL *Re-Entry* DEEPEN
 B. TYPE OF WELL
 OIL WELL GAS WELL OTHER Wildcat
 SINGLE ZONE MULTIPLE ZONE
 2. NAME OF OPERATOR
 LAB Energy, Inc.
 3. ADDRESS OF OPERATOR
 7107 South 400 West #10 Midvale, Utah 84047
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1946' FSL, 1630' FEL
 At proposed prod. zone
 12. COUNTY OR PARISH
 Tooele
 13. STATE
 Utah
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 17 miles south of Tooele, Utah
 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 626ft FSL
 4270ft FEL
 16. NO. OF ACRES IN LEASE
 1400
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 Not spaced
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 N/A
 19. PROPOSED DEPTH
 10,000
 20. ROTARY OR CABLE TOOLS
 Rotary
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5116' KB, 5107' GR
 22. APPROX. DATE WORK WILL START*
 May 29, 1987

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48 & 5/4	240ft	425 sx. class H. - surface
12"	9 5/8"	40 LB/FT	4490ft	400 sx. class H. - Intermediate
2 7/8" 8 3/4"	5 1/2"	17 LB/FT	10,000ft	200 sx. class H. - production min. of 200' above uppermost pay zone

DRILLING PROGRAM IS AS FOLLOWS: 240 feet of 13 5/8 casing has been set for a conductor pipe, cemented to surface. 4490 feet of 9 5/8 casing has been set for a intermediate casing. A drillable bridge plug was set at 4365' KB. Total depth drilled was 7132 feet. Reserve pit and location will be rebuilt on former location plan. If hydrocarbons are discovered by deepening ~~2 7/8~~ hole from 7132 feet to 10,000 feet, ~~5 1/2~~ casing will be run to total depth and cemented for completion. *K-55*

FORMATION TOPS: *Class H (15.6 #/gal) min. of 200'*
 Pleistocene - surface *above upper most pay zone*
 Tertiary (Salt Lake Group) - 700' to 4216'
 Middle Pennsylvanian - 4216' to 4610'
 Lower Pennsylvanian - 4610' to 7132' TD
 EXPECTED FORMATION TOPS
 Mississippian (Manning Canyon Fm.) - 8700'
 Mississippian (Great Blue Fm.) - 10,000'

Casing grade will be appropriate for depth and pressure expected.

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 Walter A. Gaud TITLE Vice President DATE 3-30-87

(This space for Federal or State office use)

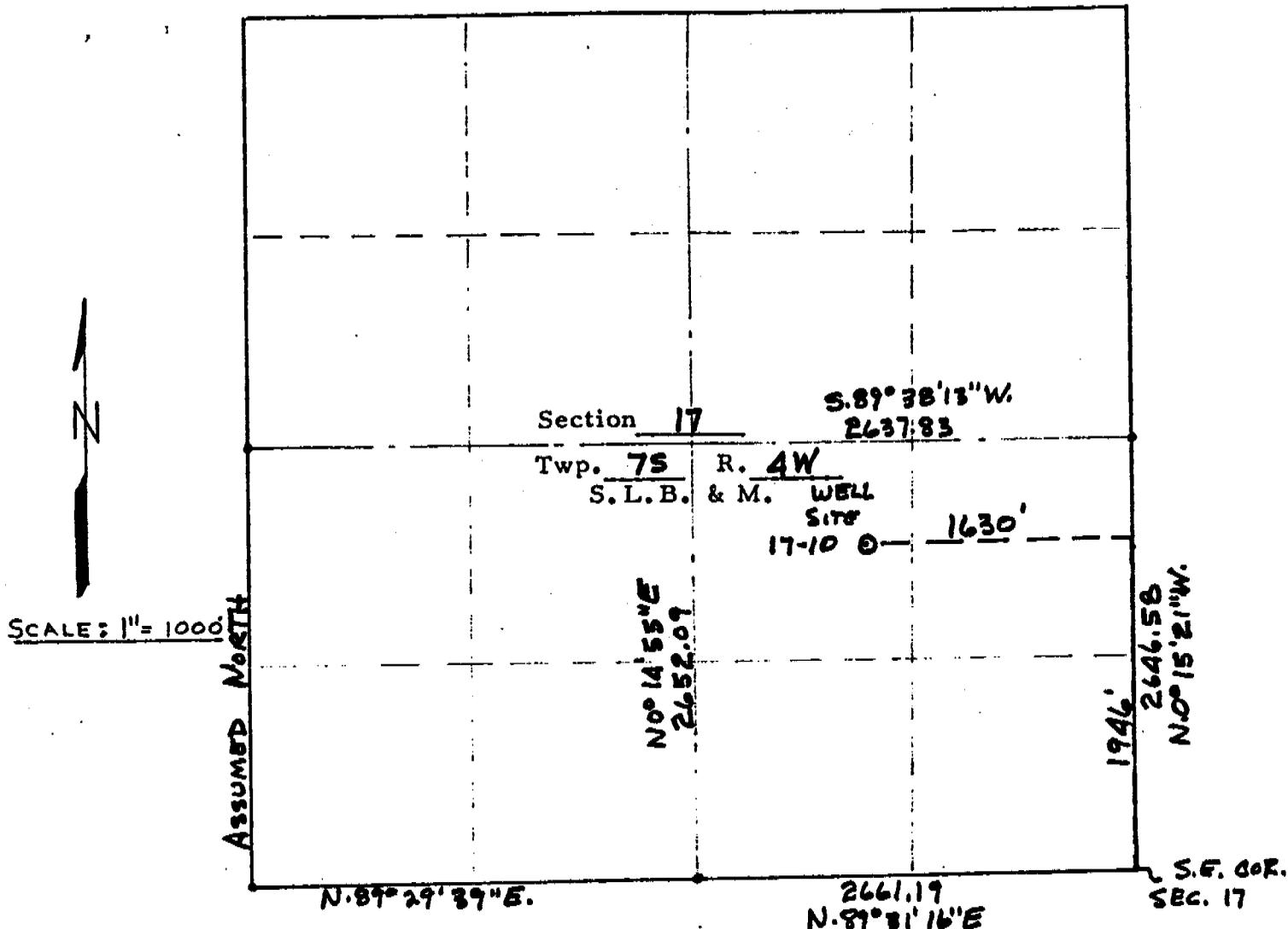
PERMIT NO. 43-045-30017 APPROVAL DATE

APPROVED BY _____ TITLE _____
 CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action is required before commencing operations.

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 5-26-87
 BY: John R. Baga

*See Instructions On Reverse Side



SURVEYOR'S CERTIFICATE

I, Kay L. Ryan, of Ryan Engineering Inc., do hereby certify that I am a Registered Land Surveyor, and hold certificate No. 4385 as prescribed by the laws of the State of Utah, and have made a survey as shown on this plat of:

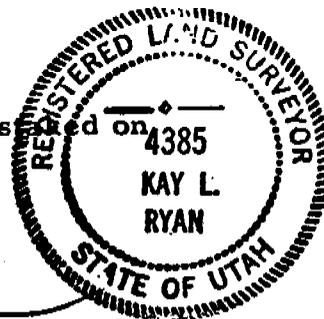
LAB Energy Inc., Federal #17-10, located North 1946 ft. and West 1630 ft. from the Southeast Corner, Section 17, Township 7 South, Range 4 West, Salt Lake Meridian.

Ground Line Elevation: 5107 (Approx.)

I further certify that the above plat shows the locations as shown on the ground.

Date 11-7-82

Kay L. Ryan



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company LAB Energy, Inc. Well No. 17-10

Location NWSE Sec. 17, T 7 S, R 4 W,
1945' FSL, 1630' FWL FEL Lease No. U-56554
Tooele County, Utah

Onsite Inspection Date By Appointment waived

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 the field representative to insure compliance.

PART I
EIGHT PART DRILLING PROGRAM

Drilling Program Deepen well #17-10 from 7132 feet to 10,000 feet.

- Surface Formation and Formation Tops:
Surface: Holocene Valley Fill / Pliocene
700' - 4216' Pliocene, Miocene (Salt Lake Group)
4216' - TD. Paleozoic, Oquirrh Group
Estimated Formation Tops:
Mississippian (Manning Canyon Formation) 8700'
Mississippian (Great Blue Formation) 10,000'
- Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected oil zones:	<u>Mississippian (Manning Canyon Formation) 8700' - TD</u>	<u>Canyon</u>
Expected gas zones:	<u>Same</u>	
Expected water zones:	<u>None</u>	
Expected mineral zones:	<u>None</u>	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

Operator will maintain a minimum pressure control of 3000 psi. (See Figure 3). Blowout preventer will be operated with hydraulic and mechanical equipment. Kelly cocks will be available on the rig floor at all times. Drilling fluid weight sufficient to control well will be maintained. No over pressured zones are anticipated.

5000 wit
H₂S trin

BOP systems will be consistent with API RP53. BOP systems will be equipped with both blind rams and pipe rams to fit the drill pipe in use. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer 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 ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office (will) will not) be notified three (3) days in advance in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

As indicated. (See Figure 4). Casing has been cemented at 240' and 4490' in depth and may be set to 10,000' in depth.

Will set K-55 5 1/2" 17#/ft casing cemented min 200ft above upper most pay zone.

Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

Drilling medium will be fresh water gel mud with 2% KCL. Mud weight will be held to 9# per gallon or less unless increased weight is needed to prevent blowout. Mud system will be kept at balance to minimize lost circulation. Pit level will be monitored visually. No hydrogen sulfide is anticipated. No chromate additives will be used in the mud system on Federal lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

6. Coring, Logging, and Testing Program:

One drill stem test is anticipated but not specific. No cores are planned. The minimum logging program includes a Dual Induction Laterolog; a Compensated Formation Density Log and Neutron Log with Gamma Ray and Caliper; and a Long Spaced Sonic Log. Also dipmeter & hole deviation log.

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 not later than 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 authorized officer (AO).

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: It is expected that the reservoir drive pressure will be approximately equal to the hydrostatic pressure, or not more than 3000 psi. No hydrogen sulfide is expected. For contingency, a portable detector will be kept on site. If hydrogen sulfide is detected, the blowout preventers will be closed and the location evacuated until protective equipment can be provided. No other mitigating circumstances were encountered in the #17-10 well drilled by Lab Energy to a depth of 7130 feet in 1983.

8. Anticipated Stating Dates and Notifications of Operations:

Location construction: May 23, April 25, 1987
Spud date: May 29, 1987 10,000' 25 days duration

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 AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "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 with the BLM, Salt Lake District Office, 2370 South 2300 West, SLC, Utah 84119.

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

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 AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO 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 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Manager produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Manager.

Pursuant to NTL-4A, lessors or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days of the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Manager and approval received for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4, shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations, as specified in 43 CFR 3162.7, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from SO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

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 1/4 1/4 section, township and range". "Lease number".

Other: _____

PART II

THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point: Well is located approximately 24 miles SW of Cedar Fort, Utah.
- b. Proposed route to location: All existing roads are shown on Figure 1 and 1A. Access to the locality is from State Highway #73 to the Faust Road, then west about 10 miles to a junction with an un-numbered county road which turns off to the North to an abandoned gravel pit.
- c. Plans for improvement and/or maintenance of existing roads: Roads requiring improvement are indicated (Figure 1) The maximum disturbed width will be 30' or less. Maximum grade will be 5% or less. No turnouts are required. The center line is indicated on Figure 1. All roads to be improved will be done according to the Class III requirements as defined by the Bureau of Land Management, including rehabilitation. No drainages will be impaired so no culverts will be required.
- d. Location and description of roads in the area: See Figure 1
- e. Other: None.

2. Planned Access Roads:

Access Roads to be Constructed or Reconstructed. The access road will be upgraded to the minimum necessary to accommodate the heavy equipment and weather conditions. Any gravel needed for the roads will be obtained from an established pit.

- a. The maximum total disturbed width will be kept to 30 feet. No new construction is planned.~~except.~~
- b. Maximum grades: Grades can be kept to 7% or less.
- c. Turnouts: No turnouts will be required.
- d. Location (centerline): See Figure 1

e. Drainage: Roads will be ditched and drained as required by BLM regulations. No major drainages will be disturbed.

f. Surface Materials: Road and location has been graveled with material from pit located in Sec. 17, T 7 S, R 4 W. (See Figure 1).

g. Other: _____

Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed will be approved by the District Manager in advance.

3. Location of Existing Wells:

There are no existing wells within one mile of this site.

4. Location of Tank Batteries and Production Facilities:

A detailed location plan for drilling purposes is attached. (Figure 2). Until production is established, it is requested that the plat showing facilities should be deferred, since at present, equipment needed is unknown. The location terrain is essentially flat. Topsoil will be stockpiled on the NW corner of the pad. The pad will be sloped slightly toward the south to permit drainage. The short access road and pad will be graveled with gravel from nearby existing pits if needed. Access to the pad will be had along an existing improved county road to the north off the Faust Road. The access road will be ditched and crowned in addition to graveling. (See Figure 1).

The proposed production facility locations have not been approved. In the event of a discovery and a producing well, a separate surface use and operating plan covering any additional facilities will be required and is subject to approval. Another Environmental Assessment will be prepared to evaluate such a proposal.

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupation Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

Tank batteries will be placed on the: Deferred.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration reports will be submitted to the Salt Lake District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply:

All water needed for drilling purposes has/will be obtained from:

The Ault Ranch near Vernon, Utah, approximately 12 miles East from location. or *The Fitzgerald Ranch east of Fairfield, Utah.*

6. Source of Construction Material:

Road surfacing and pad construction material was/will be obtained from:

gravel pit located C 17, T 7 S, R 4 W. See Figure 1

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material is located on lease.

7. Methods of Handling Waste Disposal:

The reserve pit will not be lined:

The location of the reserve pit will be as before.

Three sides of the reserve pit will be fenced with sheep proof wire fence before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

All trash will be contained ^{semi-trailer or} in a trash cage and disposed of in an established sanitary landfill.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed ninety (90) days after the initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B). Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

All drilling fluids, muds and cuttings must be contained on the project site in the reserve pit or in portable containers. All appropriate measures must be taken to assure that leakage through the reserve pit bottom and walls does not occur and that fluids are not allowed to overflow. The reserve pit must not be used for disposal of garbage, trash or other refuse.

Sanitary facilities are required on site at all times during operations. The installation of facilities other than self-contained chemical toilets is subject to State and BLM approval.

All trash, garbage and other refuse must be properly contained on the site during operations and periodically disposed of at an approved refuse facility. Following completion of operations, all unnecessary equipment, materials and refuse must be removed from the site.

8. Ancillary Facilities

Camp facilities will not be required. They will be located: The only ancillary facilities required will be ^{five} trailers, 2 crew trailer, 1 drill engine trailer, one for the toolpusher and one for company personnel. In addition, the mud logging contractor will have a trailer and there may be one trailer for mud storage. (See Figure 2). A chemical toilet will be provided.

9. Well Site Layout:

The reserve pit will be located: See Figure 2 as before. The reserve pit will be located on the North side of the pad.

The top four inches of soil material will be removed for the location and stockpiled separately on the Northwest corner of the pad, away from traffic.

Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad will be from:
The Southeast end, off existing road (see Figure 1)

10. Plans for Restoration of Surface:

Upon completion of operations, the pits will be filled and the topsoil replaced over the location. Reseeding will be as directed by the appropriate range management agency. No significant drainages will be affected. The operator or his agent will notify the District BLM office 48 hours before starting reclamation work.

Topsoil will be selectively removed and stockpiled during the project road and pad construction. Topsoil will be stockpiled separately from other material and protected so it will not become contaminated. After subsoil and rock material have been replaced to the approximate original ground contour during reclamation, the topsoil will be placed over all disturbed areas. The disturbed area must be seeded with the specified seed mix after topsoil is replaced.

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

The reserve pit must be allowed to dry before it is backfilled and reclaimed. It must be enclosed by a 5-strand barbed wire fence while left to dry.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc., will be removed.

The operator, or his contractor, will will not) notify the Salt Lake District Office forty-eight (48) hours before starting reclamation work that involves earthmoving equipment, and upon completion of restoration measures.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled at a time specified by the BLM. If the broadcast, a harrow, or some other implement will be dragged over the seeded area to assure seed coverage.

All disturbed areas should be seeded as soon as practical to establish vegetation for soil protection. Reclamation seeding of the pad area will be done when approved by the BLM. Seeding may be done by either drilling or broadcast method. If the drilling method is used, seed will be drilled to a depth not less than 1/16 inch and not more than 1/2 inch. The seed mix is shown in the following table.

Seed Mix for Pad, Project and Access Roads

<u>Species</u>	<u>Common Name</u>	<u>Lbs/Acre</u>	<u>Lowest Acceptable Purity</u>
Eurotia lanata	Winterfat	1	98%
Agropyron smithii	Western wheatgrass	2	98%
Agropyron cristatum	Crested wheatgrass	3	98%
Oryzopsis hymenoides	Indian ricegrass	1	98%
Kochia prostrata	Summer cypress	1/2	98%
Sporobolus cryptandrus	Sand dropseed	1	98%

For this seed mixture, drilling application rate is 8.5 pounds per acre. If broadcast seeding is used, the recommended pounds per acre should be increased by 50%.

After reclamation seeding, a 5-strand barbed wire letdown fence will be constructed around the site to exclude livestock. The fence will be maintained by Lab Energy until vegetation is adequately re-established on the site.

Reclamation of the abandoned access roads will include obliteration, scarification, waterbaring and seeding. Adequate barricades will be installed at the ends of the abandoned roads to prohibit motor vehicle travel.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

Additional Requirements: _____

11. Surface and Mineral Ownership:
All surface is federally owned.

12. Other Information:
A Blanket Archeological study has been done by the University of Utah Department of Archeology. (See report in Old #17-10 APD.)

Fire suppression equipment must be available to all personnel on the project site. Equipment must include a minimum of one hand tool per crew member consisting of shovels, pulaskis, and one properly rated fire extinguisher per vehicle and/or internal combustion engine.

All gasoline and diesel equipment must be equipped with effective spark arresters and mufflers. In addition, all electrical equipment must be properly insulated to prevent sparks.

The operator will be held responsible for damage and suppression costs for fires started as a result of their operations. Fires must be reported to the BLM as soon as possible.

All accidents or mishaps resulting in significant resource damage and/or death or serious personal injury must be reported to the Forest Service as soon as possible.

Vehicle operators will observe posted or established speed restrictions.

Section corners or other survey markers, including claim corners, in the project area, must be located and flagged

for preservation prior to commencement of surface disturbing activities. The removal, displacement or disturbance of markers must be approved in advance by a BLM licensed land surveyor. Replacement of markers disturbed by these activities will also be approved by a licensed land surveyor approved by the BLM.

Harassment of wildlife and livestock, is prohibited.

All surface disturbing activities must be supervised by a qualified, responsible official or representative of the designated operator who is aware of the terms and conditions of the APD and the specifications in the approved plans.

The project engineer and surveyors must be certified by the State of Utah.

Move-in and move-out requires advance approval of the BLM. Move-in and move-out of the drill rig shall not be done on holidays or weekends without advance approval of the BLM.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural/^{additional} resource clearance (will) will not) be required before any construction begins. If any cultural resources are found during construction, all work will stop and the AO will be notified.

13. Lessee's or Operator's Representative and Certification

Lab Energy will designate someone on the project with authority to make changes, to be available at all times during construction. (This person will be the BLM contact during construction.)

Representative

Name: WARREN L. JACOBS
LAB ENERGY
7107 South 400 West #10
Midvale, Utah 84047
(801) 566-4101

Tommy Barnes
Drilling Consultant
At Rig.

See Conditions of Approval.

This permit will be valid for a period of one (1) year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

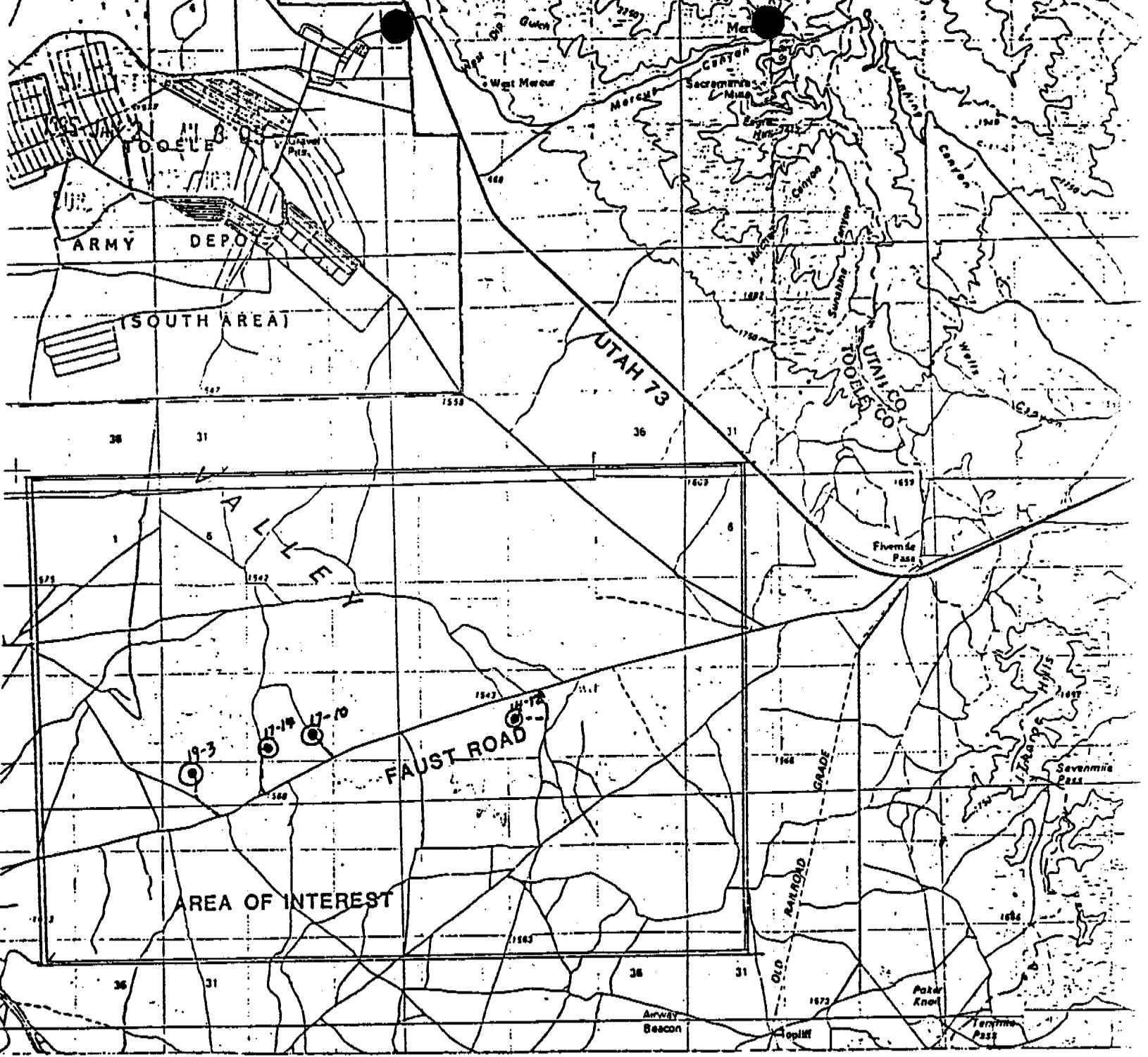
Certification:

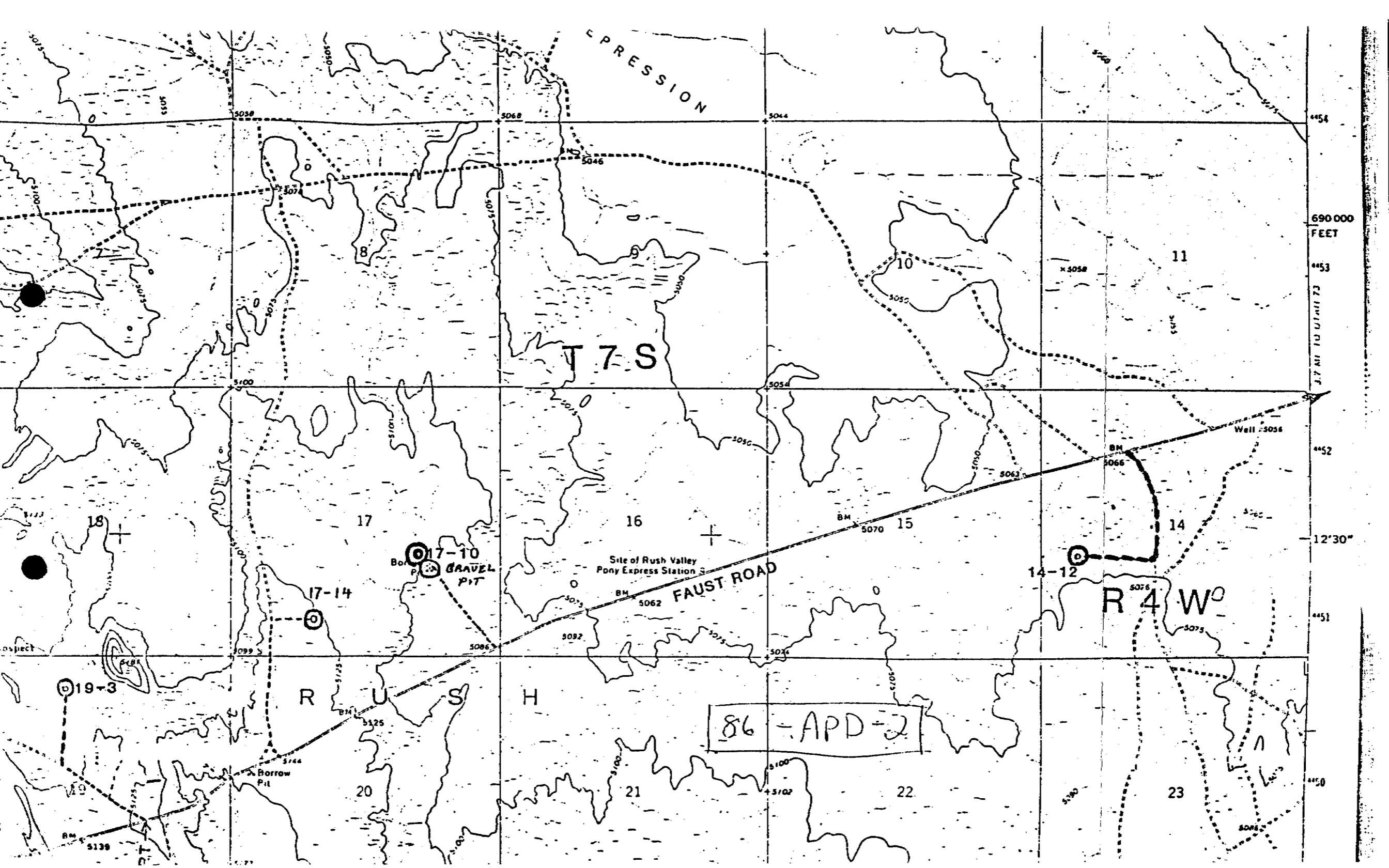
I hereby certify that I, or persons under my direct supervision, have inspect the proposed drillsite and access route, that I am familiar with the conditions which currently exist, that the statements made in this plan are, to the best of my knowledge, true and correct, and that the work associated with the operations proposed herein will be performed by LAB ENERGY and its contractors and subcontractors in conformity with this plan, and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

March 31 1987
Date

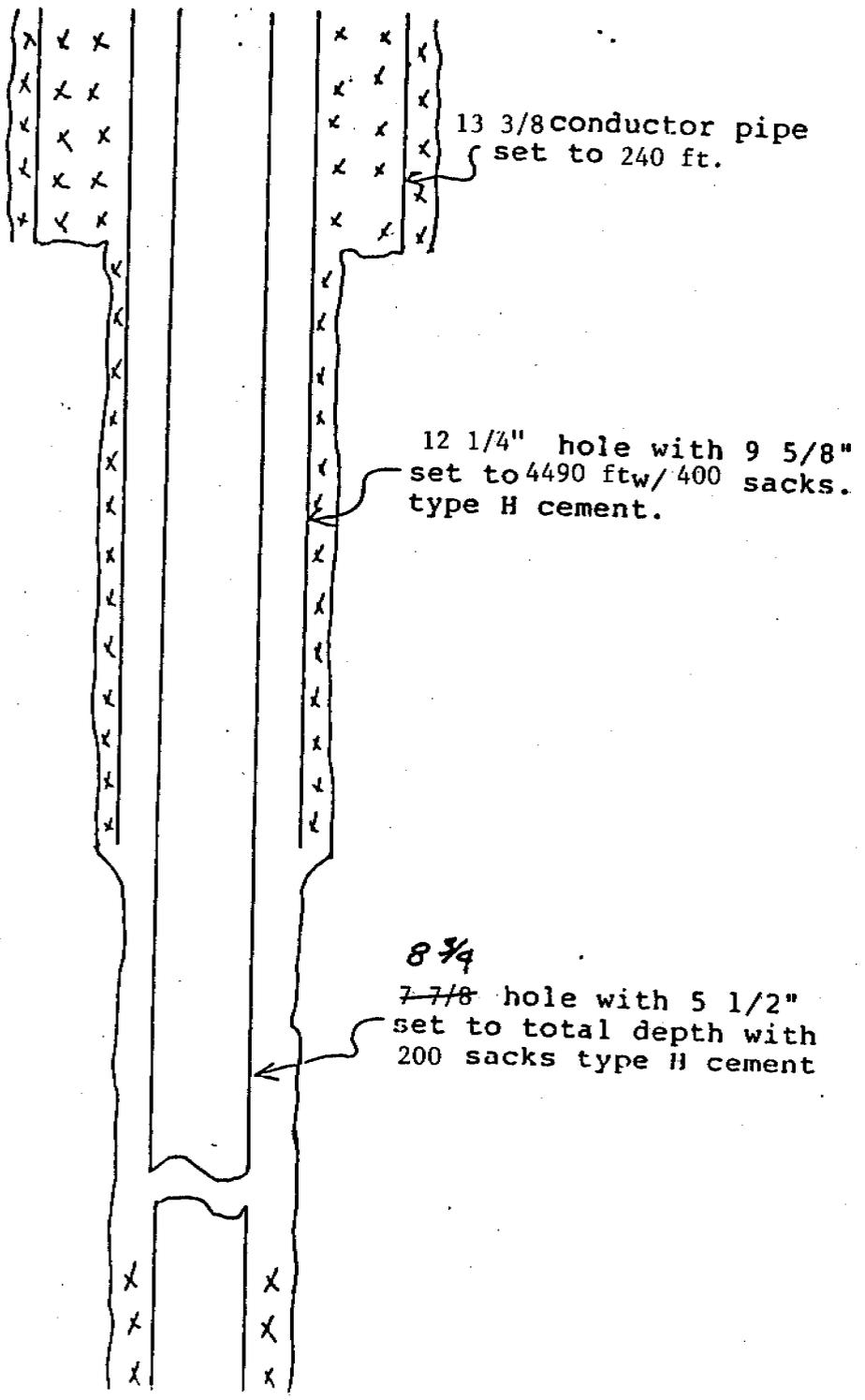
WARREN L. JACOBS

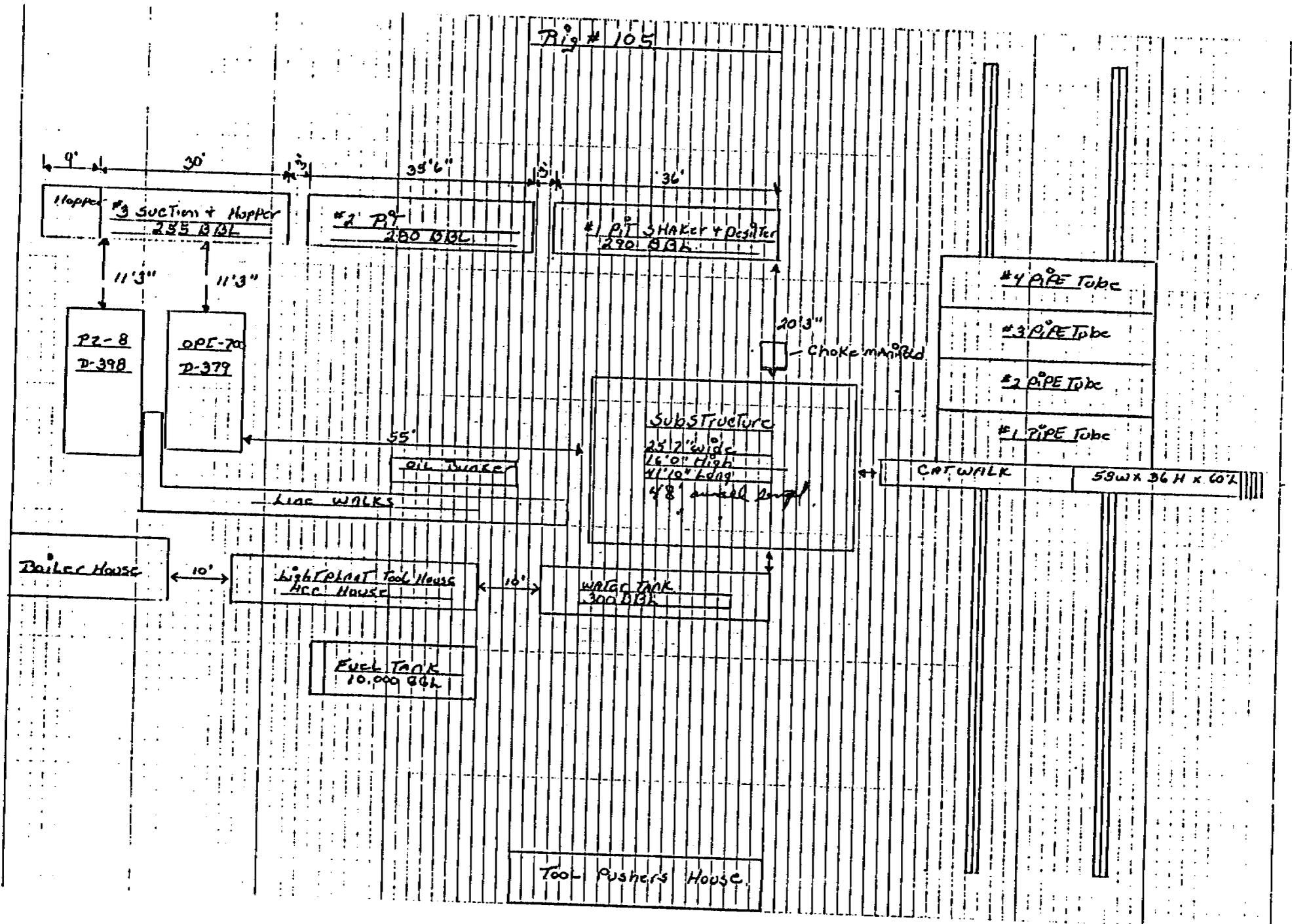
Warren L. Jacobs





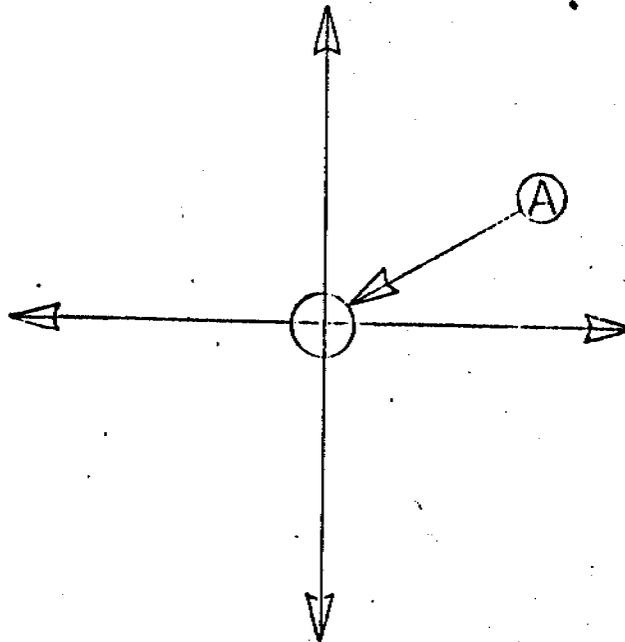
SCHEMATIC DIAGRAM
CASING DETAIL FOR
SHALLOW WELL SINGLE
STRING COMPLETION
RUSH VALLEY, TOOELE
COUNTY, UTAH





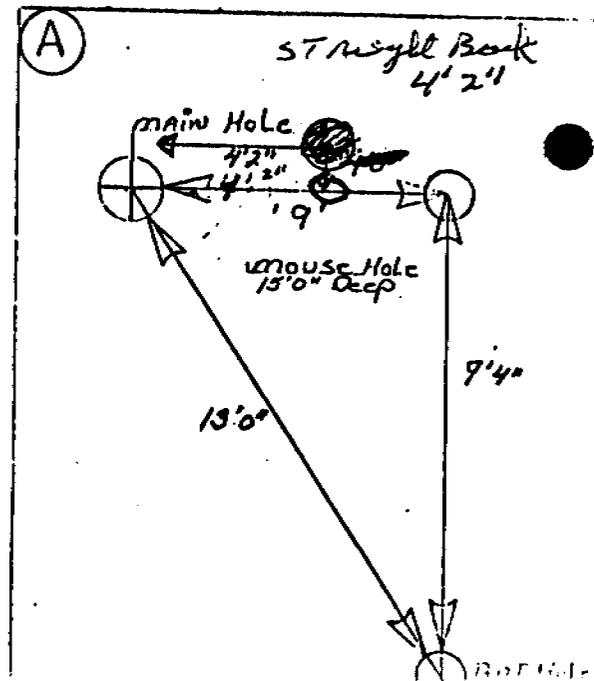
MUD PIT 50'

PUMP 155'



DERRICK 150'

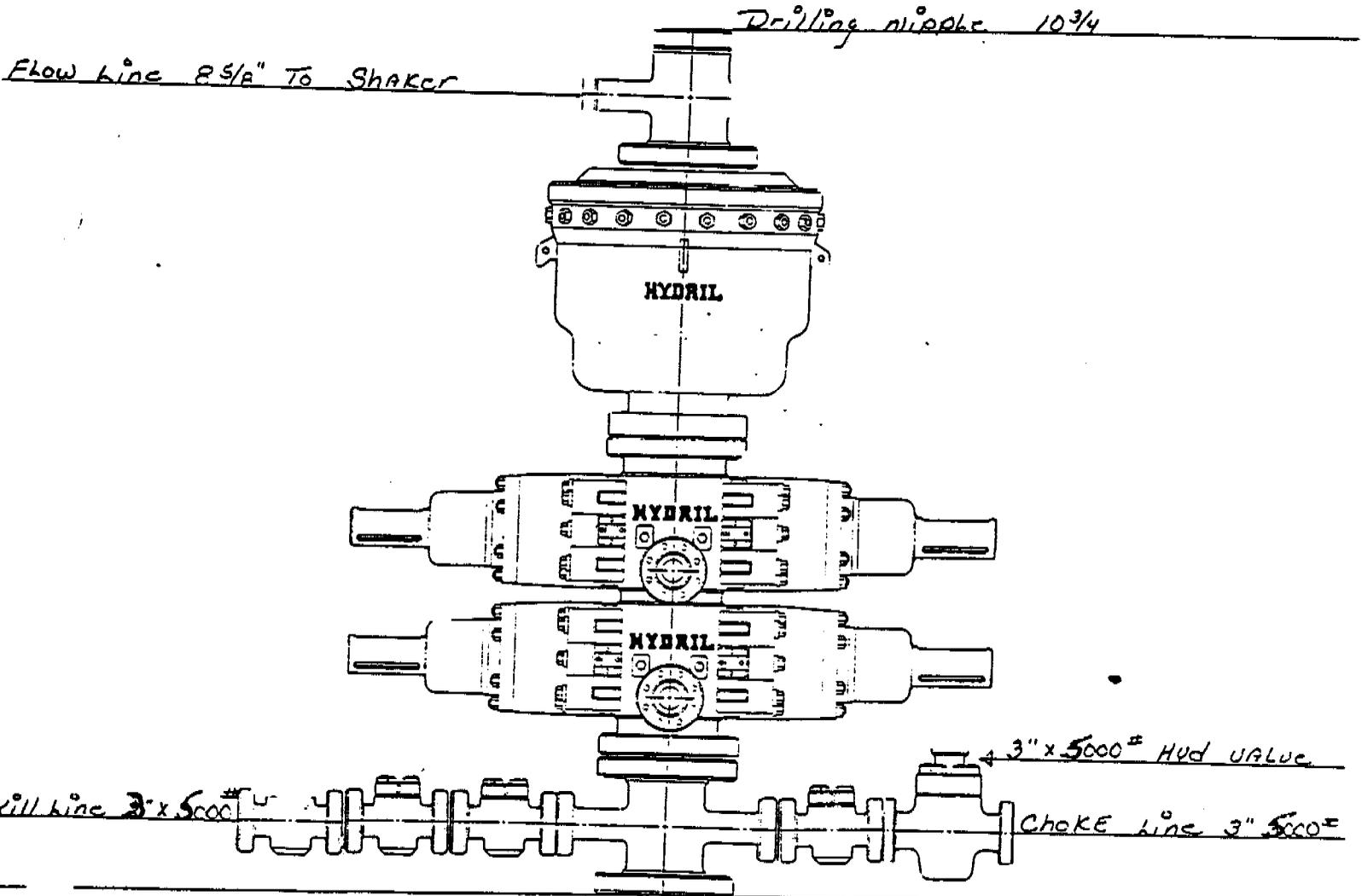
DOG HOUSE 135'



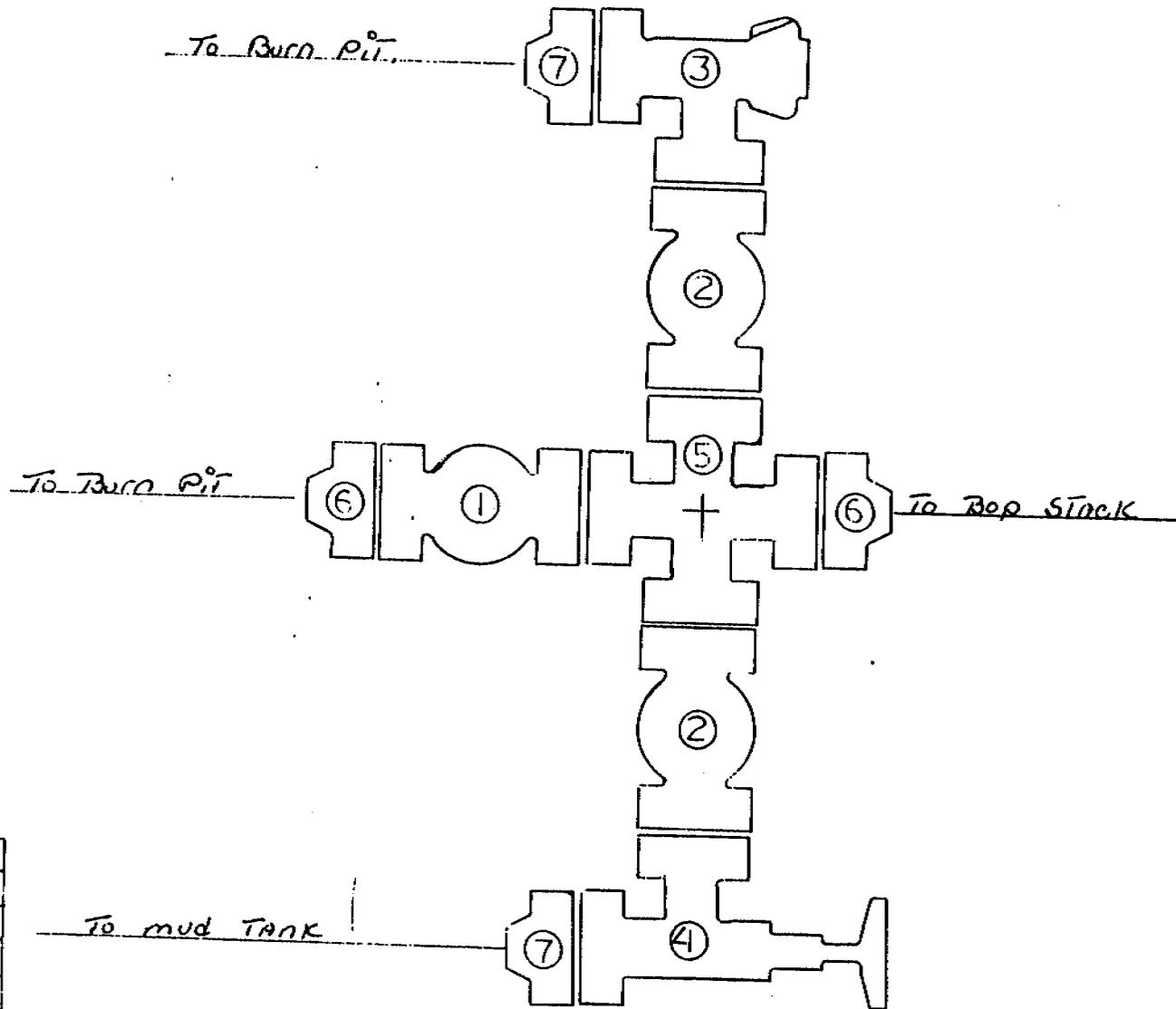
BURRIS DRILLING COMPANY RIG # 105

BURRIS DRILLING COMPANY

Big # 105



3c. 1) Stack 10" 5000# Nacc Trim on Both Annular & Gate



1	3" x 3000" Gate Valve
2	3" x 3000" Gate Valve
3	3" x 3000" Pos Choke
4	3" x 3000" Adv Choke
5	3" x 3" x 3000" Cross
6	3" x 3000" weld neck F
7	3" x 3000" weld neck F
8	

Burris Drilling Company
Rig # 105
3" x 3" x 3000" Gate manifold
DATE 10/23/84
Drawing By Cunningham

Re-Entry

052801

OPERATOR Lat Energy Inc. DATE 5-21-87

WELL NAME Lat Energy 17-10

SEC NW SE 17 T 7S R 4W COUNTY Boole

43-045-30017
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Need water permit

APPROVAL LETTER:

SPACING: 203 _____ UNIT

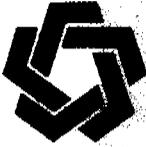
302

_____ CAUSE NO. & DATE

302.1

STIPULATIONS:

1- Water permit



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 26, 1987

Lab Energy, Inc.
7107 South 400 West #10
Midvale, Utah 84047

Gentlemen:

Re: Lab Energy 17-10 - NW SE Sec. 17, T. 7S, R. 4W
1946' FSL, 1630' FEL - Tooele County, Utah

Approval to re-enter and deepen the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, 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 as required by Chapter 3, Title 73, Utah Code Annotated.

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. All well operators are responsible for sending an Entity Action Form to the Division of Oil, Gas and Mining within five working days of the time that a new well is spudded or a change in operations or interests necessitates a change in Entity status.
3. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
4. 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
Lab Energy, Inc.
Lab Energy 17-10
May 26, 1987

5. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
7. 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 43-045-30017.

Sincerely,



R. Q. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
SALT LAKE DISTRICT OFFICE
2370 South 2300 West
Salt Lake City, Utah 84119

3160
87-APD-1
87-APD-2
U-5654
U-37742
(U-026)
880932

2 JUN 1987

Dianne R. Nielson
State of Utah
Department of Natural Resources
Division of Oil, Gas, & Mining
355 W. North Temple
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED
JUN 03 1987

**DIVISION OF
OIL, GAS & MINING**

Dear Dianne:

Enclosed is a copy of the approved APD fact sheet and the location plat for LAB Energy, Inc.'s, Pony Express 14-12 and Overland Trail 17-10 exploratory wells. If you have any questions concerning this matter, please contact Dan Washington of my staff.

Sincerely,

Deane H. Zeller
District Manager

Enclosures (2)
APD Fact Sheet
Location Plat

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-56554
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER Wildcat SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR LAB Energy, Inc.		7. UNIT AGREEMENT NAME Overland Fract
3. ADDRESS OF OPERATOR 7107 South 400 West #10 Midvale, Utah 84047		8. FARM OR LEASE NAME LAB Energy
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1946' FSL, 1630' FEL At proposed prod. zone		9. WELL NO. #17-10
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 17 miles south of Tooele, Utah		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 626ft FSL 4270ft FEL	16. NO. OF ACRES IN LEASE 1400	11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA Sec. 17, T7S, R4W, SLM
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. N/A	19. PROPOSED DEPTH 10,000	12. COUNTY OR PARISH 13. STATE Tooele Utah
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5116' KB, 5107' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL Not spaced
		20. ROTARY OR CABLE TOOLS Rotary
		22. APPROX. DATE WORK WILL START* May 29, 1987

RECEIVED
JUN 03 1987

DIVISION OF
OIL, GAS & MINING

24. SIGNED Wanda J. Yand TITLE Vice President DATE 3-30-87

(This space for Federal or State office use)

PERMIT NO. 87-APD-43-045-30017 APPROVAL DATE 21 MAY 1987

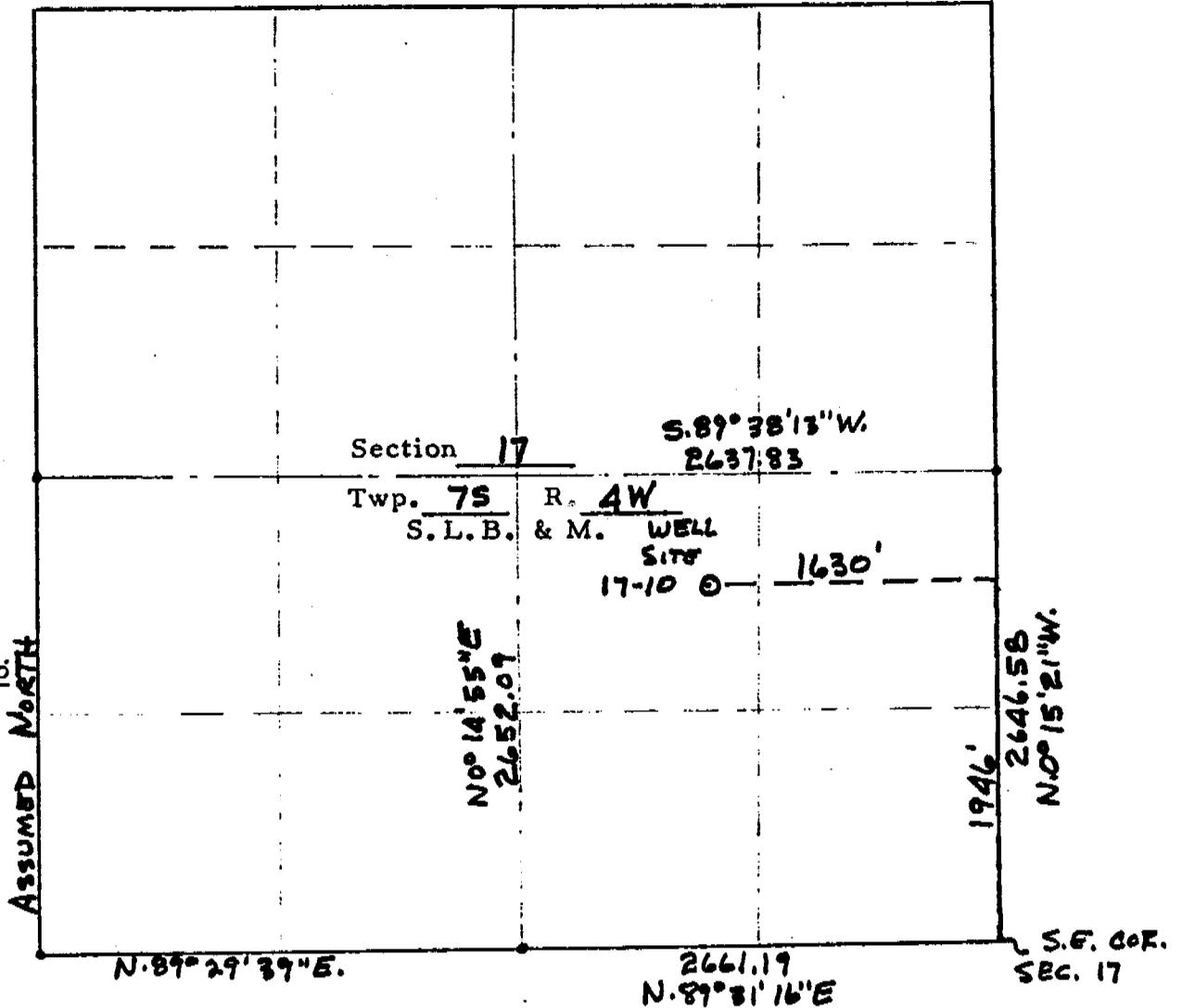
APPROVED BY Deane H. Zeller TITLE DISTRICT MANAGER DATE 21 MAY 1987

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

State of Utah

SCALE: 1" = 1000'



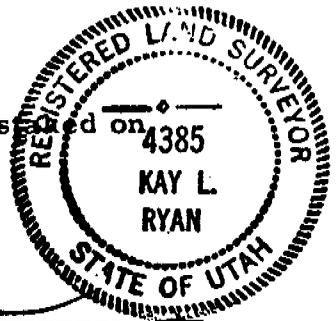
SURVEYOR'S CERTIFICATE

I, Kay L. Ryan, of Ryan Engineering Inc., do hereby certify that I am a Registered Land Surveyor, and hold certificate No. 4385 as prescribed by the laws of the State of Utah, and have made a survey as shown on this plat of:

LAB Energy Inc., Federal #17-10, located North 1946 ft. and West 1630 ft. from the Southeast Corner, Section 17, Township 7 South, Range 4 West, Salt Lake Meridian.

Ground Line Elevation: 5107 (Approx.)

I further certify that the above plat shows the locations as shown on the ground.



Date 11-7-82

Kay L. Ryan



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
SALT LAKE DISTRICT OFFICE
2370 South 2300 West
Salt Lake City, Utah 84119

83-APD-3, No. 17-10
85-APD-12, No. 19-3
86-APD-2, No. 14-12
3160 (U-027)

CERTIFIED MAIL P130 970 865
RETURN RECEIPT REQUESTED

RECEIVED
MAR 14 1988

031515

DIVISION OF
OIL, GAS & MINING

7 MAR 1988

Mr. Warren Jacobs
~~Lab Energy Inc.~~
7107 South 400 West, Suite 10
Midvale, Utah 84047

Dear Mr. Jacobs,

As per our previous correspondence dated February 4, 1987, Lab Energy is ^{N6570 75 4w sec. 17} required to complete reclamation for drilling operations on well number 17-10, ^{43-045-30017-Dr1.}

^{43-045-30070-PA}

^{43-045-30019-Dr1.}

19-3, and 14-12 and complete plugging and abandonment of 17-10. Since all

leases have been terminated, further delay in this matter cannot be allowed.

You have 30 days from receipt of this notification to complete the required

work. Enclosed are copies of approvals which detail the required work.

Failure to complete this work will result in forfeiture of the bond as per 43

CFR 3163. You have the right of appeal as described in 43 CFR 3165.

Sincerely yours,

/s/ JOHN H. STEPHENSON

ACTING DISTRICT MANAGER

Deane H. Zeller
District Manager

cc: U-922
U-942

87-APD-1
3160 (U-026)

DBW 5/21/87

Warren L. Jacobs
LAB Energy, Inc.
7107 South 400 West #10
Midvale, Utah 84047

21 MAY 1987

Dear Warren,

Enclosed are two copies of the approved Application for Permit to Drill (APD) for LAB Energy 17-10, T7S, R4W, Sec 17, NWSE. The APD includes the mitigating measures, conditions of approval, and management requirements provided by my staffs review of the proposed action.

Please advise us to when rig will begin setup and/or dirt work will begin so Dan or someone from my staff can witness this work.

Dan Washington of my staff will be glad to answer any questions concerning this matter.

Sincerely,

DEANE H. ZELLER

Deane H. Zeller
District Manager

Enclosure
APD (2)

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Lab Energies, Inc. Location NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 17, T. 7 S., R. 4 W.
Well No. 17-10 Lease No. U-56554

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.

The following conditions are in addition to the information in the APD and follow that numbering system.

Part I. Eight-Point Drilling Program

Changes requested in our letter of May 4, 1987 are handwritten in APD.

8. Location Construction, May 23, 1987.

Spud Date: May 29, 1987

Part II. Thirteen-Point Surface Use Plan.

10. If no drilling activity occurs on this location prior to the lease expiration date, plugging and abandonment of the well, and rehabilitation of the location will begin on or before September 1, 1987. If well is found to be non-commercial and plugging and abandonment of the well and rehabilitation of the location will be commenced on or before September 1, 1987.

14. This permit will be valid until the expiration of the lease or September 1, 1987.

On-site inspection is waived since the location is built and previously drilled.

Your contact with this office is Dan Washington, office phone (801) 524-4458, home phone (801) 756-9383.

District Manager's office address and contacts are:

Address: 2370 South 2300 West, Salt Lake City, Utah 84119

District Manager: Deane H. Zeller, office phone (801) 524-5348, home phone (801) 571-5376.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Lab Energies, Inc. Location NW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 14, T. 7 S., R. 4 W.

Well No. 14-12 Lease No. U-37742

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.

The following conditions are in addition to the information in the APD and follow that numbering system.

Part I. Eight-Point Drilling Program

Changes requested in our letter of May 4, 1987 are handwritten in APD.

8. Location Construction, Previously completed - November 10, 1985

Spud Date: June 4, 1987

Part II. Thirteen-Point Surface Use Plan.

10. If no drilling activity occurs on this location prior to the lease expiration date, rehabilitation of the location will begin on or before September 1, 1987. If well is found to be non-commercial and plugging and abandonment of the well and rehabilitation of the location will be commenced on or before September 1, 1987.

14. This permit will be valid until the expiration of the lease or September 1, 1987.

On-site inspection is waived since the location is built and previously drilled.

Your contact with this office is Dan Washington, office phone (801) 524-4458, home phone (801) 756-9383.

District Manager's office address and contacts are:

Address: 2370 South 2300 West, Salt Lake City, Utah 84119

District Manager: Deane H. Zeller, office phone (801) 524-5348, home phone (801) 571-5376.

83-APD-3 (U-56554) No. 17-10
85-APD-1 (U-22640) No. 20-4
85-APD-12 (U-52938) No. 19-3
86-APD-1 (U-56555) No. 17-14
86-APD-2 (U-37742) No. 14-12
3160 (U-026)

2-4-87

DeWolfe

4 FEB 1987

CERTIFIED MAIL NO. P 179 163 270
RETURN RECEIPT REQUESTED

Mr. Warren Jacobs
Lab Energy Inc.
7107 South 400 West, Suite 10
Midvale, Utah 84047

Dear Mr. Jacobs,

75 4W - 14
17

On November 18, 1986, our office mailed you a letter (copy enclosed) regarding expired Applications for Permit to Drill (APD) for three locations and temporary abandonments for three locations in Rush Valley, Tooele County, Utah. In that letter, suggestions were made as to how Lab Energies could satisfy the reclamation requirements for drilling operations on wells nos. 17-10 (U-56554), 19-3 (U-52938), and 14-12 (U-37742). You were given a thirty (30) day period in which to initiate reclamation and/or develop a reclamation schedule. However, to this date, our office has not received any indication that this work has been initiated or a plan established for its completion.

In accordance with Code of Federal Regulations 43 (CFR) 3163.3, this letter is considered a Notice of Incident of Non Compliance (INC). Failure to initiate actions necessary to complete plugging and abandonment of these three locations within 20 working days of receipt of this INC will result in assessment of \$250 per violation, 43 CFR 3163.3(a). Continued disregard of these written notices can/will result in cancellation of all effected leases and forfeiture under the bond, 43 CFR 3163. Under 43 CFR 3165, you have the right to appeal either of the above administrative decisions.

The three locations which have been drilled and surface disturbance has occurred, sites 17-10 (U-56554), 19-3 (U-52938), and 14-12 (U-37742), need to be recontoured, topsoil respread, scarified, reseeded, and new access roads not needed, should be reclaimed as specified by the authorized officer and authorized under the Conditions of Approval under the approved APD. Well markers should be placed on each location in accordance with 43 CFR 3162.6. Well bores should be plugged according to an approved plan by our Petroleum Engineer, authorized under 43 CFR 3163.3-4, and an authorized officer needs to witness the plugging.

Sites 20-4 (U-22640) and 17-14 (U-56555) were approved APD's which were rescinded in our November letter and our records show that no surface disturbance has occurred. In order to make final closure of these cases, our office requires a letter from you confirming that no surface disturbance has occurred on these drill sites.

If you have any questions concerning this matter, please feel free to contact myself or a member of our minerals staff. We will be glad to work with you or your contractor, both in planning and construction stages, to assure the work is completed according to our standards.

Sincerely yours,

DEANE H. ZELLER

Deane H. Zeller
District Manager

Enclosure
Letter

cc: U-922
U-942

DWashington:cdm 1/29/87/3842A



PC 5-16-88
1988

WELL FILE

IN REPLY REFER TO:

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
SALT LAKE DISTRICT OFFICE
2370 South 2300 West
Salt Lake City, Utah 84119

RECEIVED
MAY 4 1988

DIVISION OF
OIL, GAS & MINING

U-56554, 83-APD-3, No. 17-10
U-52938, 85-APD-12, No 19-3
U-37742, 86-APD-2, No. 14-12
3160 (U-027)

CERTIFIED MAIL P 716 242 263
RETURN RECEIPT REQUESTED

3 MAY 1988

Mr. Arlin Jacobs
Lab Energy Inc. N6570
7107 South 400 West, Suite 10
Midvale, Utah 84047

43-045-30020 (19-75-4w)
43-045-30017

Dear Mr. Jacobs:

Lab Energy has been unresponsive to my letter dated March 7, 1988, in which reclamation of drill sites 19-3, 14-12, and 17-10 and plugging and abandonment of well 14-12 was required to be completed within 30 days. As a result of this noncompliance, the necessary work will be put out to bid and your bond utilized to pay for such work.

Sincerely,

Deane H. Zeller
District Manager

cc: Regional Solicitor
Jim Thompson
U-942
U-922



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 6, 1989

TO: Jim Thompson, Inspection Staff Supervisor
FROM: Mike Laine, Inspector
RE: Lab Energy 17-10, 19-3, and 14-12 Wells, Township 7 South, Range 4 West, Tooele County, Utah

As per your instructions I contacted Theresa Thompson (BLM-SLC) on February 6, 1989, concerning the status of these three wells.

Theresa stated that the 19-3 and 14-12 wells were already plugged, but that the 17-10 well was not. Apparently the plugging contractors want to be released from liability should the plug on the 17-10 fall sometime in the future. The matter is being reviewed in Washington and that all activity is on hold until an opinion is received concerning future contractor liabilities. Lab Energy has a federal statewide \$25,000 bond that is being used for the plugging and reclamation of these locations.

She also stated that it is hoped that the 17-10 well would be plugged before July so that all three well locations could be reclaimed and reseeded in September of 1989.

tc
IN17/5

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

~~BY ROUTING~~
Lab Energy 17-10
(Location) Sec 17 Twp 75 Rng 4W
(API No.) 43-045-30017

Suspense
(Return Date) _____
(To - Initials) _____

Other
Open File

1. Date of Phone Call: 8-19-93 : Time: 1:49

2. DOGM Employee (name) J. Cordova (Initiated Call
Talked to:

Name Mickey Coulthard (Initiated Call - Phone No. (801) 539-4042
of (Company/Organization) Btm / S.Y.

3. Topic of Conversation: 11-22604 / 17-10 well. (status)

4. Highlights of Conversation:

Operator walked away from this well, they have been unable to contact anybody associated with company "Lab Energy Inc.". Status of well is still TA. The Btm does however have a active bond in the amount of \$10,000 and are accepting bids to PA the well at this time. Will notify DOGM at time of completion of PA procedures.

* Lab Energy Inc's address of 7107 S. 400 W. #10 Midvale, Ut. 84047 is being deleted from system at this time, to prevent mailing of Prod. & Disp. forms, to an invalid address.

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

RECEIVED

KEITH M HEBERTSON
LAB ENERGY INC
7107 S 400 W #10
MIDVALE UT 84047

AUG 17 1993

DIVISION OF
OIL, GAS & MINING

UTAH ACCOUNT NUMBER: N6570

REPORT PERIOD (MONTH/YEAR): 7 / 93

AMENDED REPORT (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
4304530017	LAB ENERGY 17-10	11172 07S 04W 17						
TOTALS								

COMMENTS: *930819 B7m/S.F. "Mickey Maulhead" U-22604 / 17-10 (\$10,000) Bond.
Open walked away on this well, B7m is accepting bids to PA the well, active 10,000 bond in place. Status is still considered TA'd. *(Deleted address from system, not valid)
Jec

I hereby certify that this report is true and complete to the best of my knowledge. Date: _____

Name and Signature: _____ Telephone Number: _____

Pres-It™ brand

To: NINE

Cc:

Dept:

Fax:

3102
(U-922)

Memorandum

To: Chief, Mineral

From: Chief, Branch

Subject: Reclamation

According to our records
June 18, 1987, and cont

Well No.: 17-01

Description: NW 1/4

T.

Took

PHONE CONVERSATION DOCUMENTATION FORM

✓ Copy?

Conversation Pertains to: Status of the Lab Energy 17-10 well

WELL Lab Energy 17-10

OTHER

Section 17 Township 07S Range 4W

API Number 43-045-30017

Topic of Conversation: Present status of well

Date of Phone Call: 11/01/01

Time: 1:30 pm

DOG M Employee (name): Jim Thompson

Initiated Call?

Spoke with: Teresa Thompson-Land Law Examiner w/BLM

Name:

Initiated Call?

Of (company/organization): BLM

Phone: 801-439-4047

Highlights of Conversation: Mrs Thompson stated that the present status of the well is TA. The cost to plug the well is more than the bond amount held by the BLM.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: U-22604
1. TYPE OF WELL Test Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR:	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: _____ PHONE NUMBER: _____ _____ Ext	8. WELL NAME and NUMBER: LAB ENERGY 17-10
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1946 FSL 1630 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 17 Township: 07.0S Range: 04.0W Meridian: S	9. API NUMBER: 43045300170000
	9. FIELD and POOL or WILDCAT: WILDCAT
	COUNTY: TOOELE
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/21/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

BLM plugged this well as part of their Orphan Well plugging program.
 See attached details supplied by the BLM of the work done.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 June 22, 2016

NAME (PLEASE PRINT) Dustin Doucet	PHONE NUMBER 801 538-5281	TITLE Engineer
SIGNATURE N/A	DATE 6/20/2016	



Dustin Doucet <dustindoucet@utah.gov>

Re: Plugged wells

1 message

McKee, Raymond (Allen) <amckee@blm.gov>
To: Dustin Doucet <dustindoucet@utah.gov>

Tue, Feb 16, 2016 at 8:39 AM

Dustin -

Attached are the final inspection reports from BLM's inspector for the orphan well plugging of the Lab 17-10 and the Rockwell 22-1. We consider these wells P&A.

Let me know if you have any questions.
AI

On Tue, Feb 2, 2016 at 8:36 AM, Dustin Doucet <dustindoucet@utah.gov> wrote:

Thanks AI. We heard Magna was doing some plugging out there. We'll look for the final paperwork in the near future.

On Mon, Feb 1, 2016 at 1:16 PM, McKee, Raymond (Allen) <amckee@blm.gov> wrote:

When I get the final paperwork from the inspector and contractor, I will forward that to you...

On Mon, Feb 1, 2016 at 11:52 AM, McKee, Raymond (Allen) <amckee@blm.gov> wrote:

Dustin -

Wanted to let you know the BLM plugged two wells in Tooele County:

Lab 17-10
17- 7S - 4 W
API [4304530017](#)
Plugged 1/21/2016

Rockwell 22-1
22 - 8S - 3W
API [4304530011](#)
Plugged 1/29/2016

Hope things are going well for you over there....

- AI

--
Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
[801.538.5281](tel:801.538.5281) (ofc)
[801.359.3940](tel:801.359.3940) (fax)

web: www.ogm.utah.gov

2 attachments

Lab 17-10.pdf

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Entered in AFMSS

INSPECTION RECORD - ABANDONMENT

Case Number UTU56554	State UT	Field Office UTAH STATE OFFICE	Field Area WILDCAT
Well Name: RUSH VALLEY	Well Number: 17-10		Hazard? No
API No. 430453001700X1	Location Qtr/Qtr/Lot/Tract, S-T-R (Lat/Long) NWSE 17 7S 4W		Spud Date Status ABD
Operator/Representative LAB ENERGY		Rig/Contractor/Representative MAGNA ENERGY SERVICE	

Well Type: (Circle One)
 Dry Hole Depleted Producer Service Well Water Well Other (Explain) Orphan

INSP. TYPE	ACT. CODE	INSPECTOR	OPEN DATE	CLOSED DATE	OFFICE TIME	TRAVEL TIME	INSPECT. TIME	TRIPS
PD	PN	Kenney	1-09-16	1-21-16	3.0	15.5	83	9
PD	SA	Kenney	1-27-16	1-27-16		1.0	.5	1

	WITNESSED		
	YES	NO	N/A
1. Plugs spotted across perforations or perforations isolated as approved if casing set? <u>Surface shoe</u>	✓		
2. Plugs spotted at casing stubs?			✓
3. Open hole plugs spotted as approved?			✓
4. Retainers, bridge plugs, or packers set as approved? <u>Set above holes in casing</u>	✓		
5. Cement quantities as approved?	✓		
6. Method of verifying and testing plugs as approved? <u>pressure test - wireline - tubing</u>	✓		
7. Pipe withdrawal rate satisfactory after spotting plugs?	✓		
8. All annular spaces isolated to surface?	✓		
9. Surface Cat Witnessed? (Circle One) Above Ground Below Ground <u>✓ plate - info - weep hole</u>	✓		
10. INC issued?		✓	

Remarks: Cement and mechanical plug placement data (attach service company report, if available):

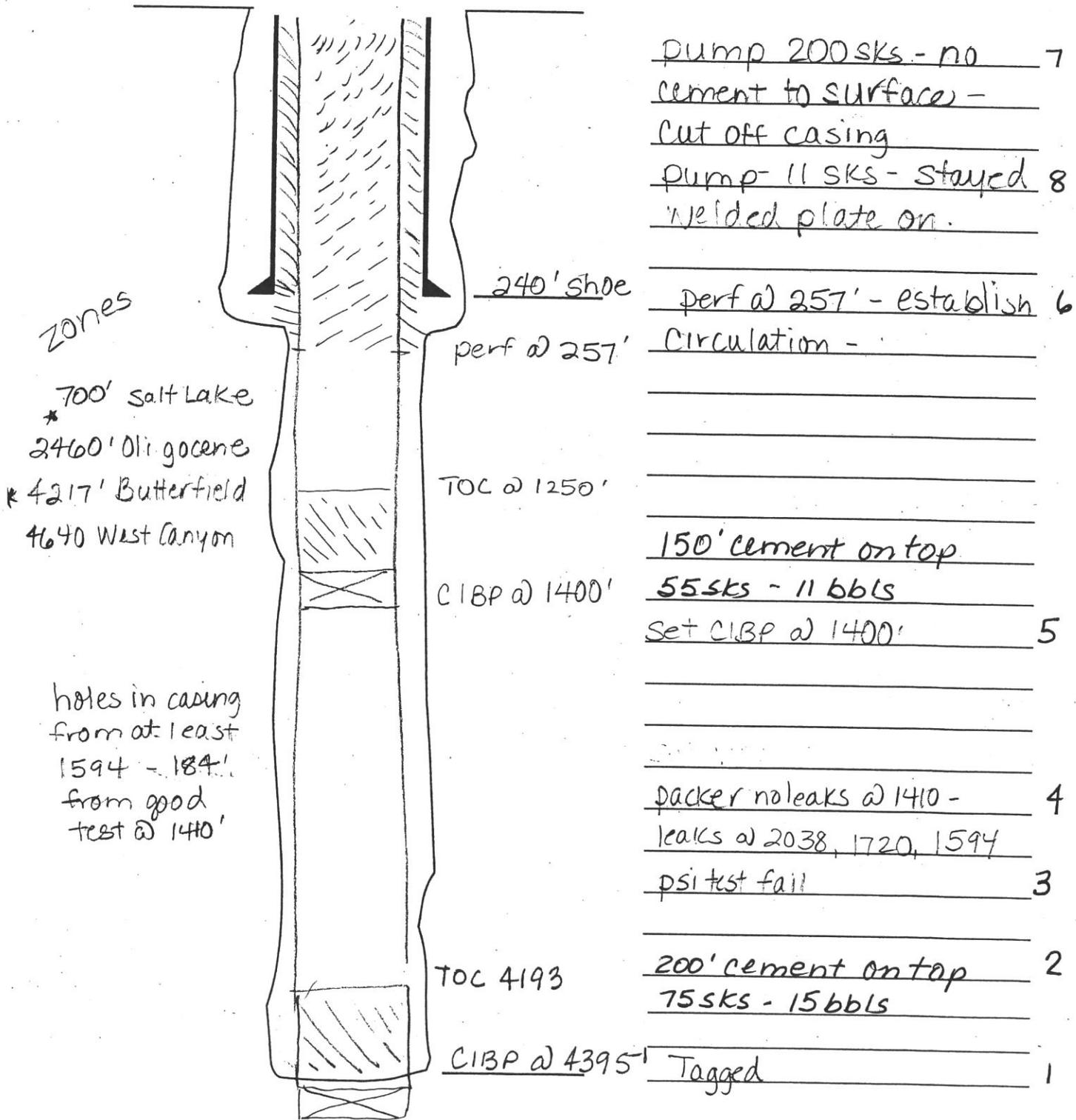
tagged original CIBP @ 4395'
 put 200' cement on top of it
 psi test casing - failed
 ran packer - test good @ 1410'
 test bad @ 1594' casing tore packer up.

Set CIBP @ 1400' - collar at 1413' - tag to verify depth - psi test
 put 150' cement on top of it

perforated shoe @ 257' establish circulation
 pumped 200 sks 40 bbls - no returns to surface,
 (cement)
 Wait 1 day - pumped 11 sks 244 bbls cement to surface in
 casing and annulus stayed. Cut off casing
 Weld on plate with information + weep hole - covered up.

PLUGGING DIAGRAM - OPEN HOLE

Operator: <i>Offshore</i>	Case No. <i>UTU 56554</i>	Date <i>1/9 - 1/21/16</i>	Inspector: <i>Kennedy</i>
Well Name & No.: <i>Lab Energy # 17-10</i>	Location: <i>NESE 1/4 17 SEC. 7S TWN 4W RNG</i>		
Inspection Summary Remarks: <i>Magna Energy Service Dave Roehrn, Berry, Robert, Byron</i>			



LAB ENERGY 17-10

Arrive on location 1/9/2016 @ 6:45, am Saturday at 10 degrees F. Rig 34. Most of equipment on location, not set up yet. Had to move snow to set up everything. Some of the trucks broke down. Had to order an adapter flange to nipple up BOPE. From a 13 5/8" 5M to a 9 5/8" 3M. No pressure on casing or annulus. Flange was hot shot from Weatherford in Vernal, arrived at 2:30 pm. Called and let Jim Gazewood and Al McKee know, extra cost of 72.00 per day plus hot shot charge of \$828.00 to deliver and same to take back. Cut off 9 5/8" casing. Installed flange, spool, and BOPE. test @ 4PM. Blind rams on bottom, pipe rams on top. Shooting all around us, saw an abandoned camp fire on my way in this morning, a couple of different times we had helicopters check us out a Blackhawk and an Apache'. Darie Roehm company man with Magna Energy Service got a water source from a farmers irrigation tap in Vernon. Finished setting up equipment, get ready to run tubing tomorrow 1/10/2016. Ordered pre mixed 9# mud with 2% corrosion inhibitor. 0 degrees F on location at 6:45 AM and fog. Power tongs just didn't want to work. Used an actual tubing tally instead of average length Tagged plug with 139.5 joints in at 10,000# weight. Pick up one joint, 139 in hole 15' above CIBP at 4,395'. 30' deeper than originally thought. Mud showed up at noon, Matt Betts trucking out of Vernal, 2 loads @ 110 bbls each, they hauled back discharged water out of well bore to RNI pond in Roosevelt. 100 bbls. Darie went to get 70 bbls of water. 1/11/2016 at 6:45 am -7 degrees F. Things don't want to work when it is cold. Got all of equipment up and going by 11, pumped 1st plug. 1 bbl fresh ahead 75 sacks, 15 bbls of cement, 1 bbl fresh behind, displaced with 16bbls of 9# mud with 2% corrosion inhibitor. Good returns throughout job. Lay down 30 joints, At 12:15 pm pump mud, shut in no leaks on surface, tried several attempts to psi up, did not hold, pumped about 3 bbls away? Called to let Al know. Darie will get a packer and CIBP coming and go according to plan 6B. on Al's plugging procedure. Have to wait on tools, stood all of tubing back, 54 stands and lay down one single. Shut wellhead in, they downloaded cement from bulk trailer to cementing truck. 1/12/2016 at 2 degrees F. Warmer! Waiting on packer out of Vernal, equipment maintenance, Plug coming out of Rock Springs can be set on a wireline. Packer got here at 2 p.m. BOPE stack frozen, pick up 1 joint manually makeup tool to joint, lower it into hole with slips, secured put BOPE and seal ring over joint then secure lower rig floor, pick up assembly tighten with power tongs assemble tool. Went in hole with 31 stands, to 2,038 test casing, it did not hold, came out 20 stands to 1410 held at 540#. put in 5 stands to 1,720 it bled off, pulled out 2 stands to 1594, bled off, came back out with three stands back to 1410'. Held. Leak starts somewhere between 1594 and 1410 = 184'. Cold, ran out of daylight, no light plants, things were freezing up, water truck lost its PTO pump. Packer in hole at 1,348' hard pull 30,000#. 1/13/2016 at -7 degrees at 6:45 am, Airline to slips blew off end fitting, froze, Pulled packer out of hole, it was tore up. The Weatherford hand and the packer left at 12:30 approximate cost \$4,000. Wait on wireline (Magna has their own wireline service out of Evanston. Terry Snyder COR rep. came out to witness CIBP setting. Wireline arrived @ 3:50 pm and left @ 6:30 pm. Had to remove BOPE stack again. Ran a ring gauge and junk basket hit fluid at 638'. Down to 1430. Came out clean. Ran in hole with CIBP, collar at 1413' set plug at 1400'. 21 stands in derrick. 1/14/2016 It is their day off but they wanted to try to pump cement and let it set up on their days off. Got ready to go in the hole with tubing, the starter on the rig caught on fire. Darie sent crew home, we waited on Smith Power Products to send a mechanic with a starter out for repair. First starter was a 24v, we needed a 12v. Mechanic had to go North of Salt Lake to get one. Came back, installed, found that the starter

switch had shorted out and kept bendix engaged. Manually bypassed to see if starter would work , it did, Darie will pick up a new switch on days off. Left location @ 2:30 pm. Close up shop for 4 days. Travel back Monday. On location 1/19/2016 @ 7:30 27 degrees F, part of crews truck broke down so not ready to go . They started up equipment and got a load of water. Got a load of 9# mud 120 bbls. Jim Gazewood called to let me know that Chad Vannest had told him that they would charge direct costs for off ticket items, not cost + 15%. Shut down at 12:30. Went to look at other well. 1/20/2016 26 degrees and snowing horizontal. Ran in hole with tubing, tagged CIBP at 1400' with 45 joints, pull up circulate hole with fresh 9# mud. Then 1 bbl of fresh ahead, 55 sacks 11 bbls, 1bbl fresh behind displace with 2.6 bbls. Lay down tubing. Then ran in the hole with Magna's TCP tool, it is a perforation tool. 8 joints + tool put it at 257'. Dumped 20 gallons of water down tubing then a bar. It set off shots, casing had a suction. Came out of hole, established circulation. Rigged up cement. Pumped 200 sks, no cement to surface, Cement triplex broke down, called it a day, the guys rebuilt the triplex. 1/21/2016 at 3 degrees F. BOPE stack frozen to well adaptor, thawed out removed, dug out wellhead, cut off, cement about 30' down? Set up and pumped 11 sks of heavy cement, to surface, stayed, put marker on covered up by 2. p.m. Start to mobilize to Rockwell 22-1.