

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
F-L Energy Corporation

3. ADDRESS OF OPERATOR
2020 E 3300 S. Suite 23 Salt Lake City, Ut. 84109

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface
C SE 1/2 SW 1/2 SW 1/2 (330 FLS, 979 FWL)
 At proposed prod. zone
As above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 Miles N.E from Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)
330'

16. NO. OF ACRES IN LEASE
320

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1353'

19. PROPOSED DEPTH
1100'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4640 G.L.

22. APPROX. DATE WORK WILL START*
11/1/83

3. LEASE DESIGNATION AND SERIAL NO.
U-41092

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal-Buttes

9. WELL NO.
#1-6

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 6 T20S R25E SLBM

12. COUNTY OR PARISH
Grand

13. STATE
Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 1/4"	7" O.D.	29 lb/ft	150'	Circulate to Surface
6 1/2"	4 1/2" O.D.	10.5 lb/ft	1100'	100 Sx Class H

It is proposed to drill this well to a sufficient depth to test the Entrada Formation. The expected producing formation will be the Morrison. The well will be air-mist drilled to T.D. unless a water-bearing formation is encountered. A dual ram, 3,000 psi, 6" B.O.P. and a rotating head will be used. It is planned to use a logging suite consisting of a D.I.L; G.R.; CNL; CDL; Caliper log, and the well will be logged from T.D. to 150'. Ditch samples will be taken at 10' intervals from 150' to T.D.

Resummed 11/1/85

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

24. SIGNED: *[Signature]* TITLE: *Pres.* DATE: *9-11-83*

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY: *[Signature]* TITLE: *District Manager* DATE: *12/11/83*

CONDITIONS OF APPROVAL, IF ANY:
M.S.

CONDITIONS OF APPROVAL ATTACHED
2/19/83
 *See Instructions On Reverse Side

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

RECEIVED
 DISTRICT OFFICE
 GRAND COUNTY
 UTAH
 11/1/83

Company: Falk Oil
Well: Yed 1-6
Section: 6 T. 20 S., R. 25 E.

Lease: U-
On-site Date: scheduled 8/1/53

ADDITIONS TO THE MULTIPOINT
SURFACE USE PLAN
AND
RECLAMATION PROCEDURES

*no staking present
no arch. I
discussed general
steps -
will require new
onsite wj*

CONSTRUCTION:

1. The operator or his contractor will contact the Grand Resource Area Office in Moab, Utah phone (801 259-8193) 48 hours prior to beginning any work on public land.
2. The dirt contractor will be furnished with an approved copy of the surface use plan and any additional BLM stipulations prior to any work.
3. Use of water from sources such as wells, springs, streams or stock ponds for activities associated with this well will be approved, prior to use, by the agency or individual holding the water right.
4. An archaeological survey is/~~is not~~ required and has been conducted by _____.
5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the Grand Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they will be subject to prosecution if they are caught disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
6. Improvement to the existing road (will/will not) be necessary. The total disturbed width allowed will be _____ feet. The allowable travel surface will be _____ feet. Adequate maintenance will be done to insure drainage control. This will include but not be limited to ditch and crown design and drainage dips. _____

Maintain existing rds.

New road construction on lease U-_____ will be limited to an allowable travel surface width of 16 feet. The total disturbed width will be 26 feet. For construction design and survey refer to class III road standards attachment. Off lease Road construction standards are covered by right-of-way grant # _____

access east side

Trees and vegetation will be _____

The top _____ inches of soil material will/will not be saved and windrowed along the access route,

7. Location: west above line

aug?

8. The top 6 inches of soil material will be removed from the location and stockpiled/windrowed separate from the trees and vegetation on the NE side of the location.

Trees and vegetation will be: _____

9. The reserve pit will be located on the N, NW side of the location and (will/will not) be lined with plastic (20 mil or heavier) sufficient to prevent seepage. Keyway. The reserve pit banks will be 1.5 to 2.0 feet above pad and constructed in 8" lifts, machinery compacted, and sufficiently wide for equipment to pass over.

10. Three sides of the reserve pit will be fenced 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. The fence will be 36 inch woven wire. single

strand I handle on top for support

Company Y&L Well: Yed 1-6 Sec T. S. _____ R. _____ Date _____

REHABILITATION

1. ²⁰ Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris resulting from the operation. All trash will be disposed of in the portable trash cage and will be hauled to a local town dump site. Do not leave any trash in pits.
2. The operator or his contractor will contact the Grand Resource Area BLM office in Moab, Utah, phone (801) 259-8193, 48 hours prior to starting rehabilitation work that involves earthmoving equipment and upon completion of restoration measures.
3. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and any trash (barrels, metal etc.) it contains will be removed from public lands.
4. All disturbed areas will be recontoured to blend as nearly as possible with the surrounding area.
5. The stockpiled/~~windrowed~~ topsoil will be evenly distributed over the disturbed area.
6. All disturbed areas will be scarified with the contour to a depth of 8 inches. Do not smooth pads out, leave a roughened surface.
7. Seed will be (broadcast/~~drilled~~) at a time to be specified by the BLM with the following seed prescription. When broadcast seeding, a harrow or some such implement will be dragged over the seeded area to assure seed cover.
8. After seeding is complete the stockpiled trees and vegetation will be scattered evenly over the disturbed areas and walked down with a dozer. The access will be blocked to prevent any use/vehicle use.

Company: L+L Well: 1-6 Sec. , T. S., R. E. Date:

PRODUCTION

1. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed in the methods described in the rehabilitation section. All of the stockpiled/windrowed topsoil will be used in reclaiming the unused areas.
2. All above-ground production facilities will be painted using the attached suggested colors. *Juniper green*
3. Any burning will require a permit from the State Land Forestry and Fire Control office in Moab. Contact Paul Pratt at (801) 259-6316.
4. ~~Production facilities will be located on the _____ side of the location.~~
5. All pipelines should follow existing access routes where feasible.
6. _____

Company *Yeh* Well: *1-C* Sec. __, T. __ S., R. __ E. Date _____



ARCHAEOLOGICAL RESEARCH CONSULTANTS

24 August 1983

Subject: Westwater Wash Survey, Fed 1-6 and Fed 1-7
Grand County, Utah; by ARCON for F-L Energy

Project: F-L Energy Exploration
Westwater Wash Survey (FLE-83-2)

Permit: Dept. of Interior 82-Ut-316
Project authorization application 22 August 1983

Mailing: Mr. Paul Pullman
F-L Energy
2020 East, 3300 South
Suite 23
Salt Lake City, Utah 84109

Mr. Rich Fike, BLM State Archaeologist
University Club Building
136 East South Temple
Salt Lake City, Utah 84111

Mr. Bruce Louthan, Moab District Archaeologist
P.O. Box 970
Moab, Utah 84532

Mr. Dave Minor
Grand Resource Area Office
Sand Flat Road
Moab, Utah 84532

Dr. David Madsen, State Archaeologist
Antiquities Section
Utah State Historical Society
300 South Rio Grande
Salt Lake City, Utah 84101

11. (cont'd) This site was a hunting and butchering area; the butchering is indicated by the three utilized flakes that were in close proximity together, isolated on the west end of the site. No diagnostics were found.

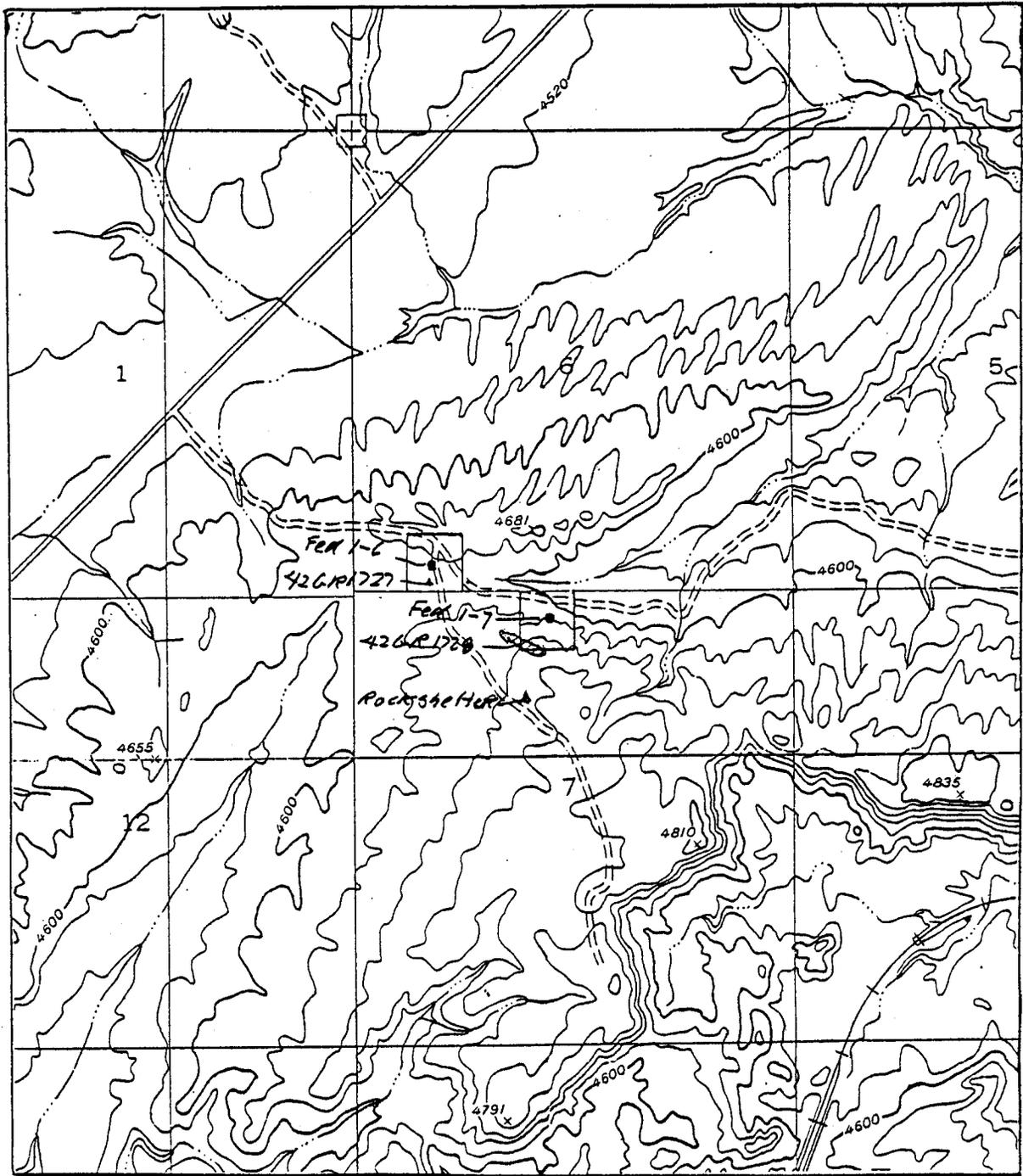
Site 42Gr1728 is a large lithic scatter 400 X 100 feet. The eastern end of the site is on the southern side of the survey area, 150 feet due south of the center drill stake. The site extends westward 400 feet along the north rim of a hill overlooking a SW upper tributary draw of Westwater Wash on the north. The site has been disturbed by sheep camp activity. Large numbers of flakes have been collected and piled (20 to 50 per pile) throughout the site area. Lithic remains consist of primary, secondary, tertiary and utilized flakes of white, red, pink and brown chrt, clear white chalcedony, and a few flakes of white, beige, pink, and green quartzite. No diagnostic remains were found. The main area of activity was on the western end within a 150 X 100 foot area. Only scattered isolated flakes were found between this area and the eastern component.

Historic sheep camping remains on site 42Gr1728 consist of solder cans, wooden shelves, an outhouse hole and platform, and a large tire rim from two ton truck dating from about the 1940's.

The south rim of the ridge due south of site 42Gr1728 was spot checked for possible related activity. A sheep corral and storage shed are located at the southern base of sandstone outcroppings on the edge of the hill. A large boulder with 6 X 10 foot overhangs on two sides located near the shed has lithic flakes of the same type as those found on sites 42Gr1727 and 42Gr1728. This rock shelter is outside of the study area and was not recorded under this survey contract, but is identified for future study.

16. (cont'd) ARCON recommends that a cultural resources clearance be granted to F-L Energy for this drilling program, provided F-L Energy personnel comply with the following stipulations:

1. All vehicular traffic and construction be confined to the ten acre area surveyed for each drill location, and remain at least 50 feet from the cultural resource sites to avoid impact.
2. All personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area.
3. A qualified archaeologist be consulted should cultural remains from subsurface deposits be exposed during construction work, or if any re-locating of drill pads beyond the ten acre survey areas should become necessary.



Project: F-L Energy - Westwater Wash Survey
 (FLE-83-2); Fed 1-6 and Fed 1-7

County: Grand

USGS Quad: Westwater 4 SW 7.5'

Location: T 20S, R 25 E

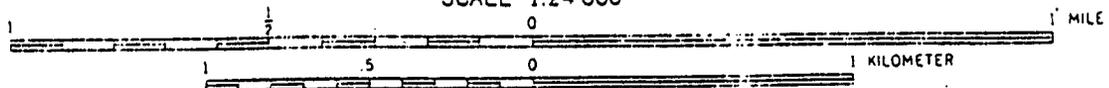


Key: ● Drill location

□ Survey area

▲ Archaeological sites

SCALE 1:24 000





Site 42Gr1727 in foreground looking SE toward
site 42Gr1728 in upper center along hillside.



Site 42Gr1728 western end looking NW toward
site 42Gr1727 by road in center of photo.

CORPORATE INFORMATION for B.L.M.

1. A copy of F-L Energy Corporations charter or articles of incorporation duly certified by the proper State officials have been files with the Bureau of Land Management and SERIAL # U-46500 has been assigned to F-L Energy Corporation.
2. There is not more than 3% of any class of stock of F-L Corporation held or controlled by an alien.

The above information is current and on file with
the BLM File number as above U-46500

A handwritten signature in cursive script, appearing to read "Paul Pullman", written over a horizontal line.

Paul Pullman President

- 1- The surface material is Mancos Shale.

- 2- The estimated tops of important and recognizable geologic markers are:

Dakota-250	Salt Wash-875
Brush Basin-300	Entrada-950
Morrison-330	T.D.1100

- 3- The estimated depth at which important water, oil and gas is expected to be encountered are: 950 Entrada.

Gas and/or Oil

There are no water sands expected to be encountered while drilling this well.

- 4- The casing program as previously indicated will consist of 150 feet of 7 inch, 29 lb/ft surface casing and 1100 feet of 10.5 lb/ft production casing. The surface casing will be set and cement will be circulated to surface. The production casing will be cemented with 100 sacks of cement. This is a calculated 25% excess amount of cement necessary to cement the entire string to surface.

- 5- The schematic diagram of the B.O.P. is attached. The 3,000 psig working configuration will be used. Also, dependent upon the height from ground level to the return flow, a hydril or equivalent type of B.O.P. will be utilized as the top piece of the B.O.P stack.

- 6- It is planned to drill this well using air as the circulating medium. The only water anticipated to be used will be that employed in cementing the casing.

- 7- The auxilliary equipment to be used will be that applicable to prudent air drilling practices. The blooie line will be terminated at a minimum distance of 150 feet from the rig. A relatively small blooie pit will be utilized.

- 8- It is planned to utilize open-hole logs in this well. They will consist of a gamma ray, compensated neutron formation density log, as well as a compensated sonic log and fracture detection log.

- 9- It is not anticipated that H₂S, abnormal pressures or high temperatures will be encountered in drilling this well.

- 10- It is expected to commence operations immediately upon permit approval. The estimated time to drill this well will be five (5) days.

WELL CONTROL EQUIPMENT

1. Surface Casing
 - A. Hole size for the surface casing will be $9\frac{1}{4}$ inches.
 - B. Setting depth for the surface casing will be approximately 150 feet.
 - C. Casing specifications are $4\frac{1}{2}$ inches o.d; 10.5 lb/ft thread, Condition "A".
 - D. Anticipated pressure at setting depth is approximately 40 psig.
 - E. Casing will be run and cement will continue to be mixed until returns are evident at surface.
 - F. Top of the surface casing will be at ground level.

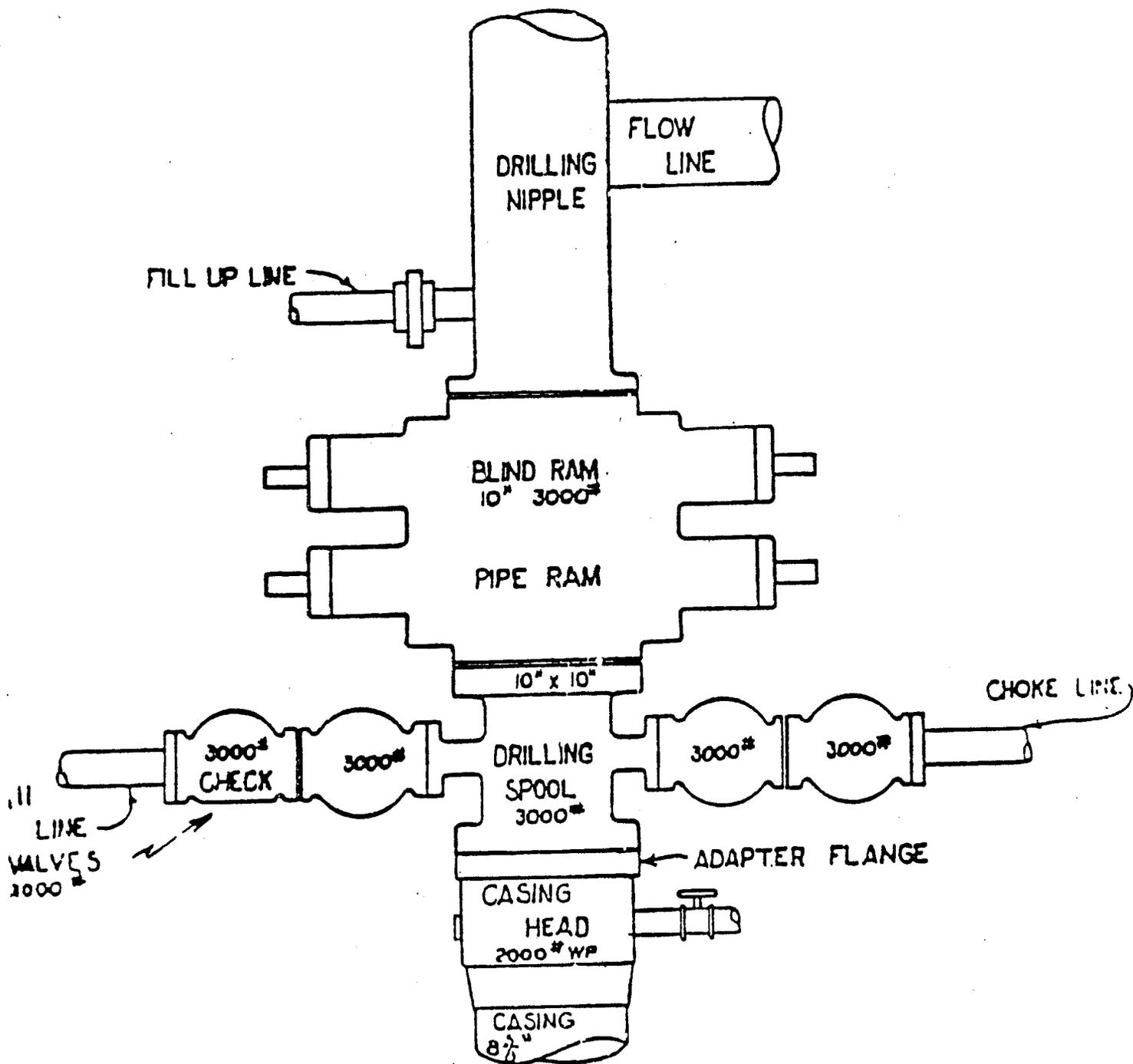
2. Casing Head
 - A. The flange size will be 6" series 300 new equipped with 2 inch ports with nipples and 2" 1,000 lb. working pressure valves. Casing head and valves will be set above ground.

3. Intermediate Casing
 - A. None

4. Blowout Preventers
 - A. Double Ram, hydraulically operated, one set of pipe ram for $2\frac{7}{8}$ " drill pipe, and one set of blind rams. They will be equipped with a mechanical closing device for back-up service. A Hydril or similiar type is planned to be used as the top piece of the B.O.P. stack.

5. Auxilliary Equipment
 - A. All that is standard for safe and prudent air drillind operations.

6. Anticipated Pressures
 - A. The anticipated pressure that is expected to be encountered will be approximately 350 psig.



F-L Energy Corp.
BLOWOUT PREVENTER DIAGRAM

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

1. EXISTING ROADS -- for the location of the proposed well and the existing roads, see the attached topographic map.

- A. The proposed well is located in the SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Section 6 , T 20S 25ER , SLBM,
- B. The proposed well is approximately 20 miles Northeast of Cisco , Utah, along State Highway . A request will be made of the Utah Department of Transportation for an access way off the State Highway.
- C. The proposed route is color coded in blue on the topographic map, from , Utah, to the well site.
- D. Not applicable.
- E. This is a proposed development location, and the only existing road within a 1-mile radius of the well site is State Highway .
- F. There are no plans for the improvement or maintenance of the existing road (Utah State Highway 50) other than the normal maintenance of the road as provided by the Utah Department of Transportation.

2. PLANNED ACCESS ROADS

A planned access road will originate on Utah State Highway 50, and will proceed SE for a distance of 2.5 mile. The access road will originate on Mancos Shale, and will be very lightly graded during the drilling of this well. If the well is productive, the road will be contoured, sloped, and ditched. If, in the event a dry hole occurs, water bars will be made and the road restored to, as closely as possible, original conditions.

- (1) The width of the proposed access road will be 16 feet.
- (2) The grade of this access road will vary from flat to 8%, and will not exceed this amount. The road will be constructed from native borrow accumulated during construction.
- (3) No turnouts are planned for this access road at this time, since none should be necessary.
- (4) No drainage design is required for the planned access road in this developmental stage of the project.
- (5) No culverts are planned in this development stage. No major cuts or fills are necessary for building the proposed access road.
- (6) The surfacing material shall be the native borrow material. No other material for construction is anticipated.

2. PLANNED ACCESS ROADS, cont.

(7) No gates, cattleguards, or fence cuts are necessary in the building of this access road.

(8) The road is presently not flagged, and not paved.

3. LOCATION OF EXISTING WELLS

The well location plat for Grand County indicates the existing wells in the immediate area of the proposed well site. The indicated wells are believed to be no longer productive. There are no other known wells, either productive, abandoned, or dry, than is shown on the attached plat.

(1) Water wells -- None

(2) Abandoned wells -- None

(3) Temporarily abandoned wells -- None

(4) Disposal wells -- None

(5) Drilling wells -- None

(6) Producing wells -- None

(7) Shut-in wells -- None

(8) Injection wells -- None

(9) Monitoring or observation wells for other resources -- None

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

A. There are no existing production facilities located within one mile of the proposed well, which are owned or controlled by the lessee/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. There are two diagrams attached. One indicates the location of production equipment in the event the well is oil productive. The second diagram indicates the production equipment for a gas well. All lines will be coated and wrapped and buried. The land usage

4. LOCATION OF EXISTING AND PROPOSED FACILITIES, cont.

for this equipment will be held to an absolute minimum.

- (1) See Drilling Rig Layout for the pad layout.
 - (2) See Drilling Rig Layout for the dimensions of the facility.
 - (3) Construction materials will be native borrow or cut exposed on the site.
 - (4) Fences at the pits, wellhead, etc., will be constructed as protective measures and devices to protect livestock and wildlife.
- C. After operations cease, and provided surface disturbances have occurred, the surface will be leveled and sloped to pre-existing conditions. Recommendations for reseedling will be taken from BLM guidelines.

5. LOCATION AND TYPE OF WATER SUPPLY

- A. The water usage at this well site will be very minimal. The water required will be obtained from *Block H also Truck* from the water rights of one of the ranches in the immediate area. There are no present plans for using saline water except for a 3% KCl solution that will be used during completion operations.
- B. The water will be transported from *Pre-arranged* by truck on existing roads, and the planned access road. No pipeline is needed.
- C. No water well will be drilled on the site.

6. SOURCE OF CONSTRUCTION MATERIALS

- A. All construction materials for this location site and access road shall be native borrow rock and soil accumulated during the construction. No additional road gravel or pit lining materials are anticipated at this time. The loose weathered shale shall be pushed aside and saved. Redistribution of this material shall occur on the drilling site immediately following cessation of completion operations. Reuse of this weathered shale shall be done as requested by the jurisdictional BLM office.
- B. Items described in 6A. above are from Federal lands or private surface.
- C. The materials are to be obtained and used as described in 6A. above. If any other materials are needed, the appropriate actions will be taken to acquire them from private sources after notification has been given to the proper regulatory agencies.
- D. No other access roads are required other than described in Section 2 above.

7. METHODS FOR HANDLING WASTE DISPOSAL

- (1) Cuttings -- A small reserve pit (20' x 75') will be used as a blooie line collection pit, and will be used for cuttings.
- (2) Drilling fluids -- A small reserve pit will be used to contain and dispose of drilling fluids.
- (3) Produced fluids (oil, water) -- The reserve pit will also be used to contain and dispose of any produced fluids, and any excess water that might be used.
- (4) Sewage -- A sanitary hole will be constructed on the site to contain and dispose of any sewage.
- (5) Garbage and other waste material -- Covered trash cages will be constructed, and all trash collected will be picked up and hauled away.
- (6) The reserve pit will be folded in and recontoured as soon as possible following the completion of operations. The sanitary hole will also be treated in this manner. Both areas will be reseeded. The covered trash cages will be removed.

8. ANCILLARY FACILITIES

One motor home (self-contained) and one dog house will be used on location. No additional ground or facilities will be used for this equipment. There are no plans for an airstrip. For emergency facilities, Carbon County Airport will be used.

9. WELL SITE LAYOUT

The plan for the layout of the drilling equipment is indicated in the schematic Diagram for the Drilling Rig Layout. There may be slight additions or deletions that may occur if the drilling contractor decides to add or delete from the anticipated facilities. The plat indicates the following:

- (1) Cross sections of the pad, showing details of the cuts and fills. As this location is relatively flat, a minimum amount of cut and fill will be needed.
- (2) Location of the mud tanks, reserve, burn and trash cages, pipe racks, living facilities, and soil material stockpiles.
- (3) Rig orientation, parking areas, and access roads.
- (4) All pits in the development stage of the project will be unlined. As indicated in the separate production facilities plats for gas or oil, the fluid pits would be lined.

10. PLANS FOR RESTORATION OF SURFACE

- (1) After drilling operations have been concluded and equipment removed, the well site areas will be cleaned, leveled, reseeded, and restored to blend with the surrounding topography. The pits will be covered, and all trash will be removed.
- (2) Reseeding will be done at the direction of the BLM. The F-L Energy Company has on record a \$25,000.00 Statewide Federal Bond.
- (3) All pits will be fenced prior to disposal of any waste material, and the open side of the reserve pit will be fenced before removing the rig from the location. The fences will be maintained in good condition until the restoration of the surface has commenced.
- (4) Any oil or condensate on any temporary pit will be removed in a timely manner. Overhead flagging or netting will be installed on any sump pit used to handle well fluids during the producing life of the well.
- (5) Restoration activities shall begin within 90 days after the completion of the well. Once restoration activities have begun, they shall be completed within 60 days.

11. OTHER INFORMATION

- (1) Land description: The area is fairly flat, but is also in near proximity to several rolling hills to the south. The Wasatch Plateau is to the west, and the San Rafael Swell lies to the east.
- (2) There are no other surface-use activities and surface ownership of the involved lands.
- (3) There are no water, occupied dwellings, archeological, historical, or cultural sites in the proximity of the well site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

The F-L Energy Company is the designated Operator of the lease. The Operator's supervisor will be:

Mr. Patrick L. Driscoll, P. E.
1933 East Tartan Avenue
Salt Lake City, Utah 84108
(801) 582-7247



Field Representative

13. CERTIFICATION

I hereby certify that I or persons under my direct supervision, have inspected the proposed drill-site and proposed access road; 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 the F-L Energy Company and its contractors and subcontractors in conformity with this plan the terms and conditions under which it is approved.

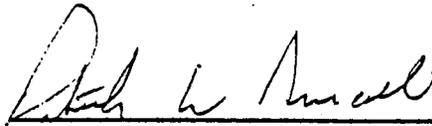
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Date



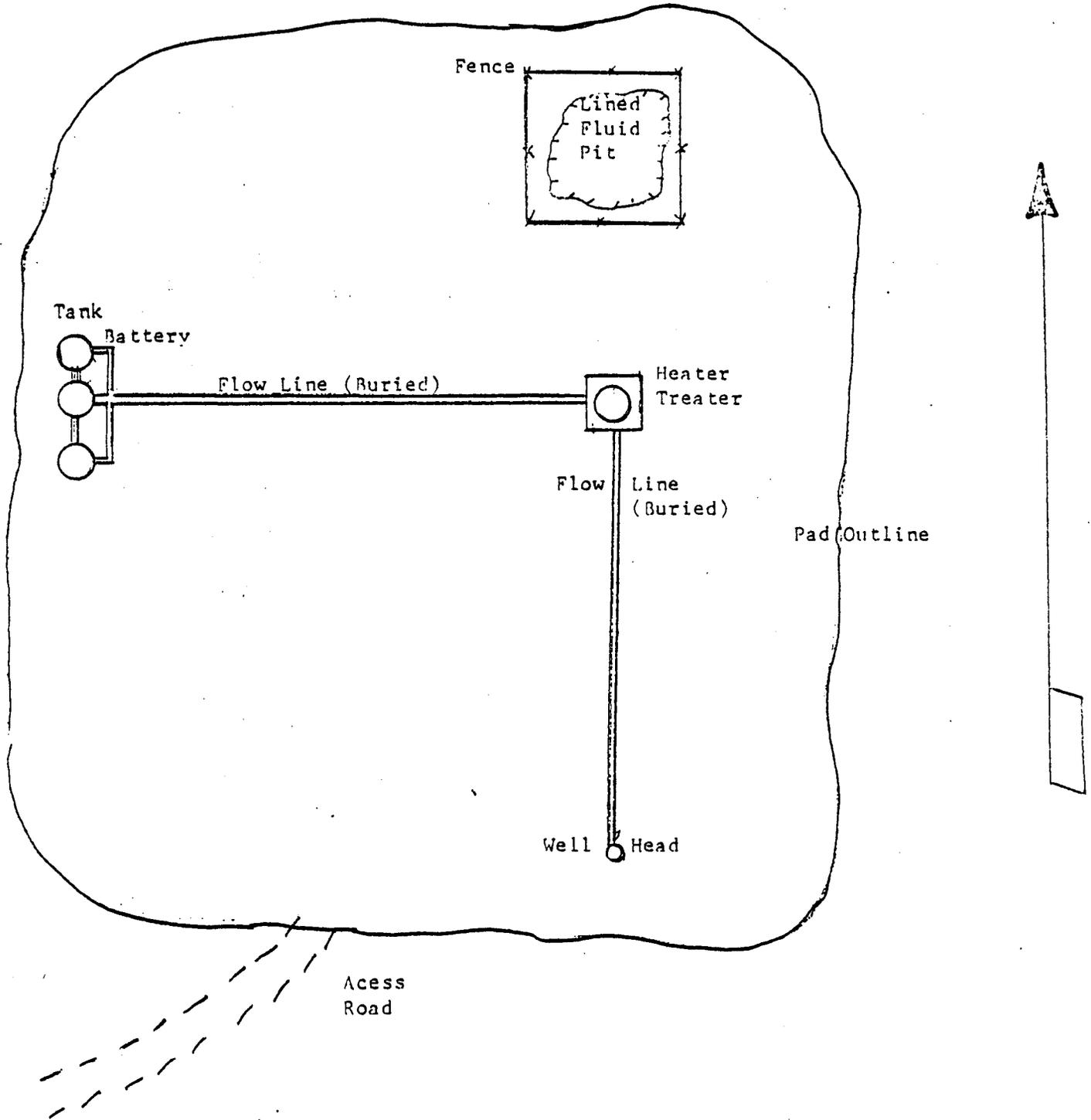
Paul Pullman
President
F-L Energy Company

Mr. Patrick L. Driscoll, P. E.
1933 East Tartan Avenue
Salt Lake City, Utah 84108
(801) 582-7247



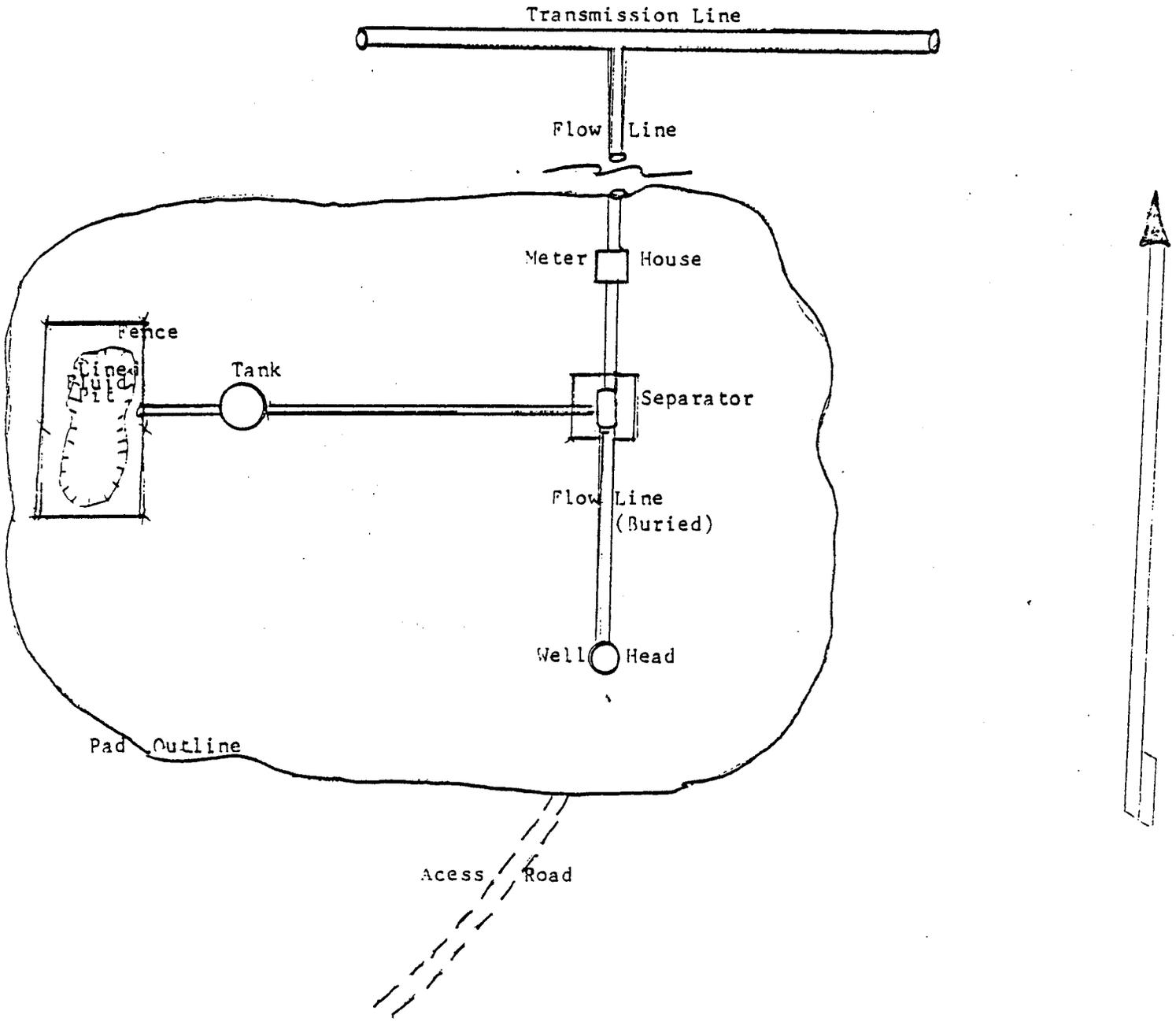
Field Representative and Vice President

F-L ENERGY COMPANY
Production Facilities
Oil



Approx. Scale: 1" = 50'

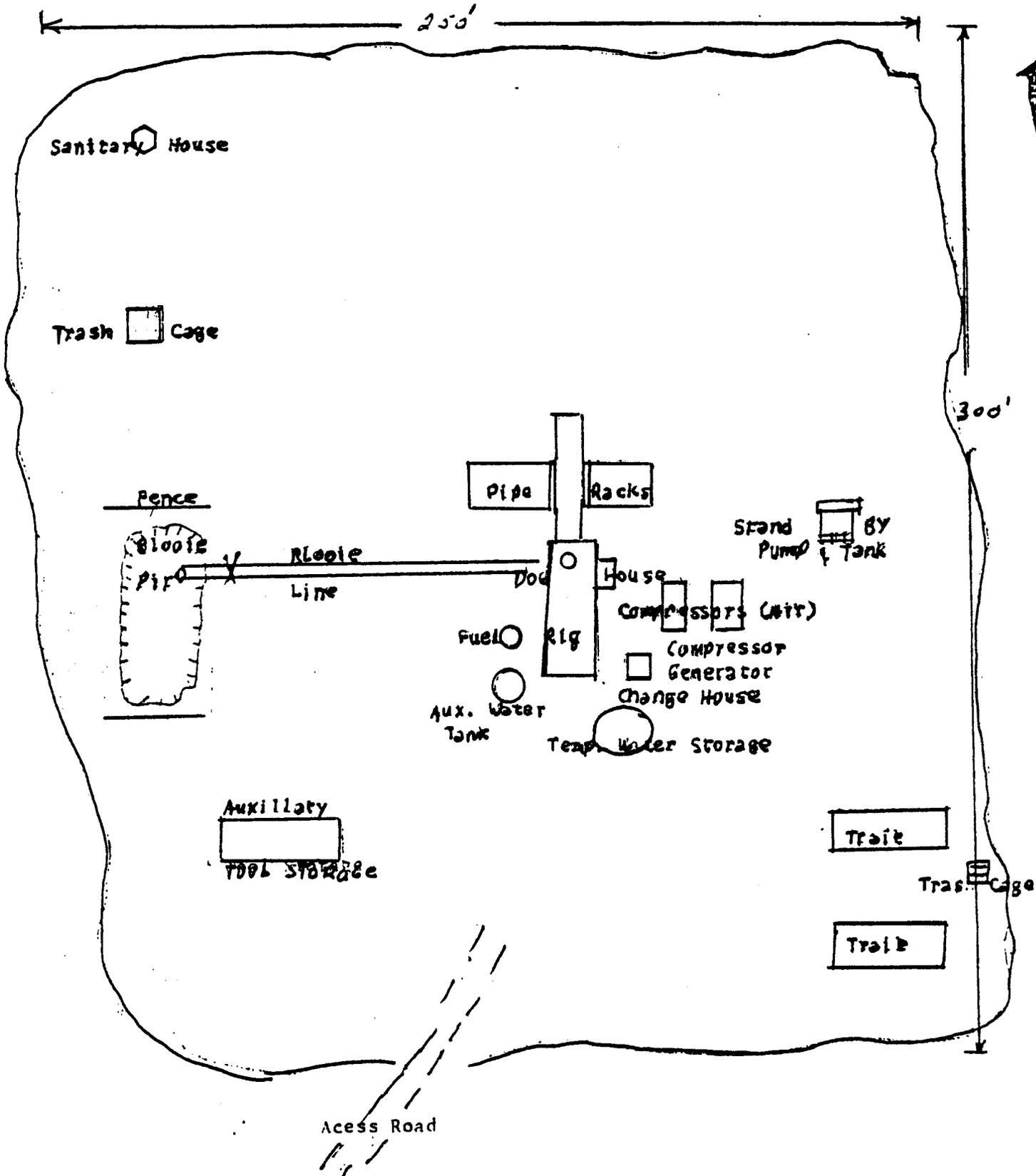
F-L ENERGY COMPANY
Production Facilities
Gas



Approximate Scale: 1" = 50'

Schematic Diagram

Drilling Rig Layout

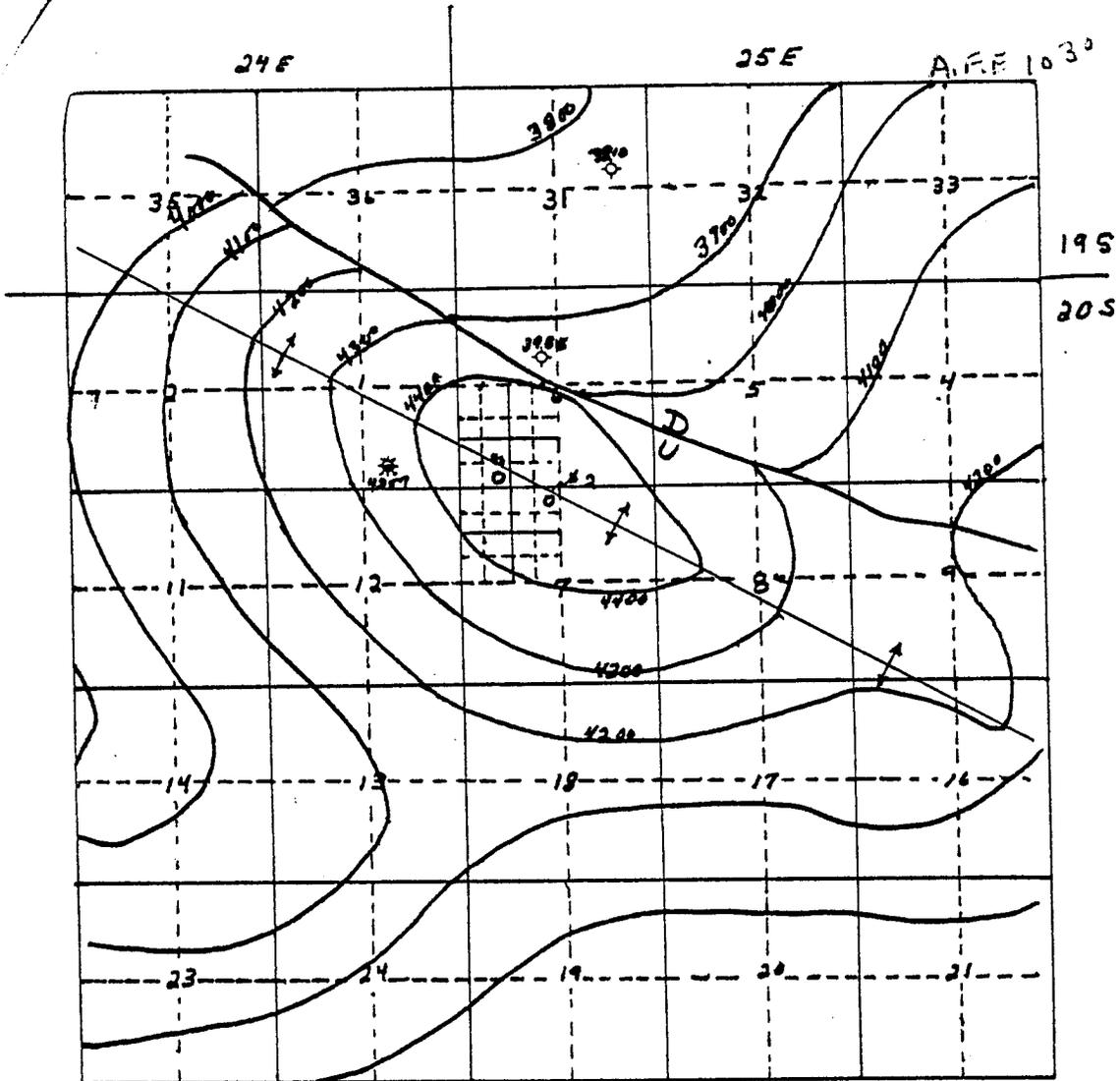


Scale 1" = 50'
(approximate)

Cottonwood Siding

Township 20 South

Range 25 East



Contours on top

of Morrison

Structure has been defined by

extensive core tests drilled to Morrison

Estimated Tops

Dakota	250
Brushy Basin	300
Morrison	330
Salt Wash	875
Entrada	950
T. D.	1100

SEC 1

2.0 MILES FROM RANCH EXIT
0.5 MILES FROM PI ROAD
DIRT ROAD AS SHOWN ON QUAD MAP

SEC 6

ELEV
4640

200'
FROM FORK
326.32

SEC
COR

652.64

972.12
1305.285

330.07
530.00

14° 01' 01" RT

1352.99

271° 11' 15"

POL. RT

2610.57

SEC 12

972.12

SEC 7

0.3 MILES TO FORK

1/4 COR 6/7

DIRT ROAD

326.32

45° 19' 17"

330.00

1305.285
2284.750



NOTE AREA RESURVEYED
1963 (ALL COR
BRASS CAPS)

OPERATOR F-L ENERGY

DATE 10-3-83

WELL NAME FED BUTTES 1-6

SEC SWSW 6 T 20S R 25E COUNTY GARLAND

43-019-31102
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

NO OIL WELLS WITHIN 400'

AIR DRILLING - WATER ON

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

DATE: 10-3-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

10/4/83

APPROVAL LETTER:

SPACING: A-3 _____ UNIT

c-3-a 102-1613 11-15-79
CAUSE NO. & DATE

c-3-b

c-3-c

~~SPECIAL LANGUAGE:~~

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 102-16 B

UNIT _____

c-3-b

c-3-c

Faint, illegible text or stamp, possibly a date or reference number.

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 42-R1599

Lease Serial No.
U-41092

Lease effective date

TRANSFER, ASSIGNMENT, OR SUBLEASE
OF OPERATING RIGHTS IN OIL AND GAS LEASE

PART I

1. Assignee's Name
F-L Energy Corporation

Address (include zip code)
2020 East 3300 South Salt Lake City, Utah 84109

The undersigned, as owner of _____ percent of operating rights in the above-designated oil and gas lease, hereby transfers, assigns, and/or subleases to the assignee shown above, the operating rights in such lease as specified below.

2. Describe the lands affected by this transfer, assignment, and/or sublease (43 CFR 3101.2-3)

T. 20 South R. 25 East SLBM.
Section 6: Lots 6,7, E $\frac{1}{2}$ SW $\frac{1}{4}$
Section 7: Lots 1,2, E $\frac{1}{2}$ NW $\frac{1}{4}$

315.65 Acres

3. Specify interest or percent of operating rights being conveyed to assignee	100%
4. Specify interest or percent of operating rights being retained by assignor	0
5. Specify overriding royalty interest being reserved by assignor	0
6. Specify overriding royalty previously reserved or conveyed, if any	10

7. If any payments out of production have previously been created out of this interest, or if any such payments are being reserved under this transfer, assignment, or sublease, attach statement giving full details as to amount, method of payment, and other pertinent terms as provided under 43 CFR 3106.

8. If the parties to this transfer and assignment have entered into an operating agreement and/or sublease, the terms and conditions of such agreement/sublease (copy attached) are incorporated into and made a part of this assignment. Approval of this assignment shall constitute approval of the agreement/sublease insofar as such agreement/sublease is not inconsistent with the provisions of the above-designated lease and the applicable regulations.

It is agreed that the obligation to pay any overriding royalties or payments out of production of oil created herein, which, when added to overriding royalties or payments out of production previously created and to the royalty payable to the United States, aggregate in excess of 17½ percent, shall be suspended when the average production of oil per well per day averaged on the monthly basis is 15 barrels or less.

I CERTIFY That the statements made herein are true, complete, and correct to the best of my knowledge and belief and are made in good faith.

Executed this 3 day of SEPT, 1983.

Robert Nakamichi Gary Nakamichi
(Assignor's Signature)

9 PARROT CT.
(Assignor's Address)

SAN MATEO CA. 94402
(City) (State) (Zip Code)

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.

THE UNITED STATES OF AMERICA

Assignment approved effective _____ By _____
(Authorized Officer)

(Title)

October 3, 1983

F-L Energy Corporation
2020 East 3300 South, Suite # 23
Salt Lake City, Utah 84109

RE: Well No. Federal Buttes # 1-6
SW SW, Sec. 6, T. 20S, R. 25E.
330' FSL, 979' FWL
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 102-16B, dated 11-15-79.

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 - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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 43-019-31102.

Sincerely,


Norman C. Stout
Administrative Assistant

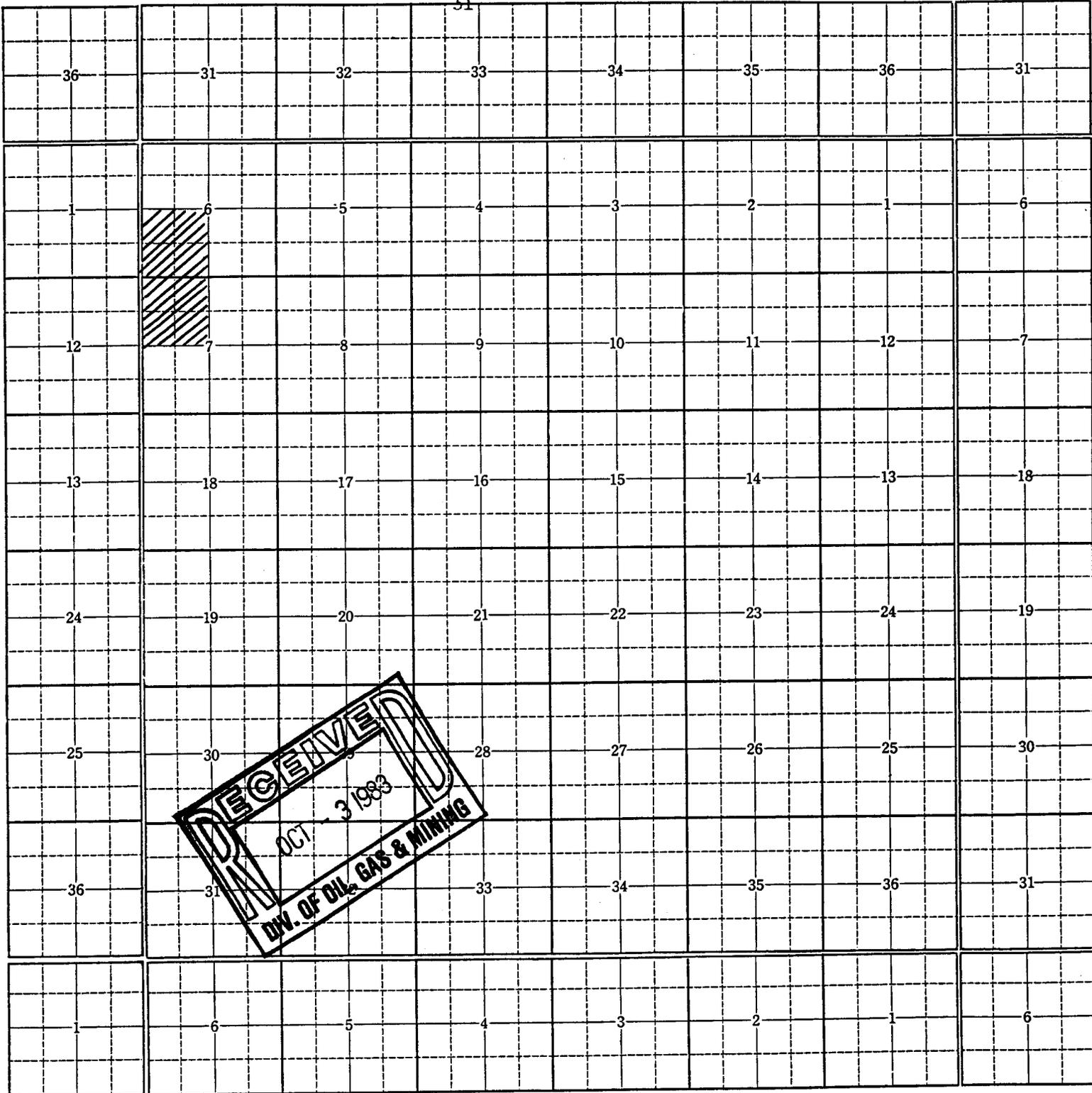
NCS/cf
cc: Branch of Fluid Minerals
Enclosures

F.L. ENERGY CORP.

Cottonwood Siding Prospect Federal-Buttes #1-6 & #1-7
Township 20 South, Range 25 East, County Grand, State Utah

Island Township Plat

Approx. 316 Acres



Colleen Driscoll

SW¹/₄ Section 6
NW¹/₄ Section 7

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [] PLUG BACK []

b. TYPE OF WELL OIL WELL [X] GAS WELL [] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []

2. NAME OF OPERATOR F-L Energy Corporation

3. ADDRESS OF OPERATOR 2020 E 3300 S. Suite 23 Salt Lake City, Ut. 84109

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface C SE 1/4 SW 1/4 SW 1/4 (330 FLS, 979 FWL) At proposed prod. zone As above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 20 Miles N.E from Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1353'

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4640 G.L.

3. LEASE DESIGNATION AND SERIAL NO. U-41092

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME Federal-Buttes

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT #1-6 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6 T20S R25E SLBM

12. COUNTY OR PARISH Grand Utah

13. STATE Utah

16. NO. OF ACRES IN LEASE 320 DIVISION OF MINING

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

19. PROPOSED DEPTH OF DRILLING OR CABLE TOOLS 1100' Rotary

22. APPROX. DATE WORK WILL START 11/1/83

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Includes rows for 9 1/4" and 6 1/2" casing sizes.

It is proposed to drill this well to a sufficient depth to test the Entrada Formation. The expected producing formation will be the Morrison. The well will be air-mist drilled to T.D. unless a water-bearing formation is encountered. A dual ram, 3,000 psi, 6" B.O.P. and a rotating head will be used. It is planned to use a logging suite consisting of a D.I.L; G.R.; CNL; CDL; Caliper log, and the well will be logged from T.D. to 150'. Ditch samples will be taken at 10' intervals from 150' to T.D.

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

24. SIGNED: [Signature] TITLE: [Signature] DATE: 9-27-83

(This space for Federal or State office use)

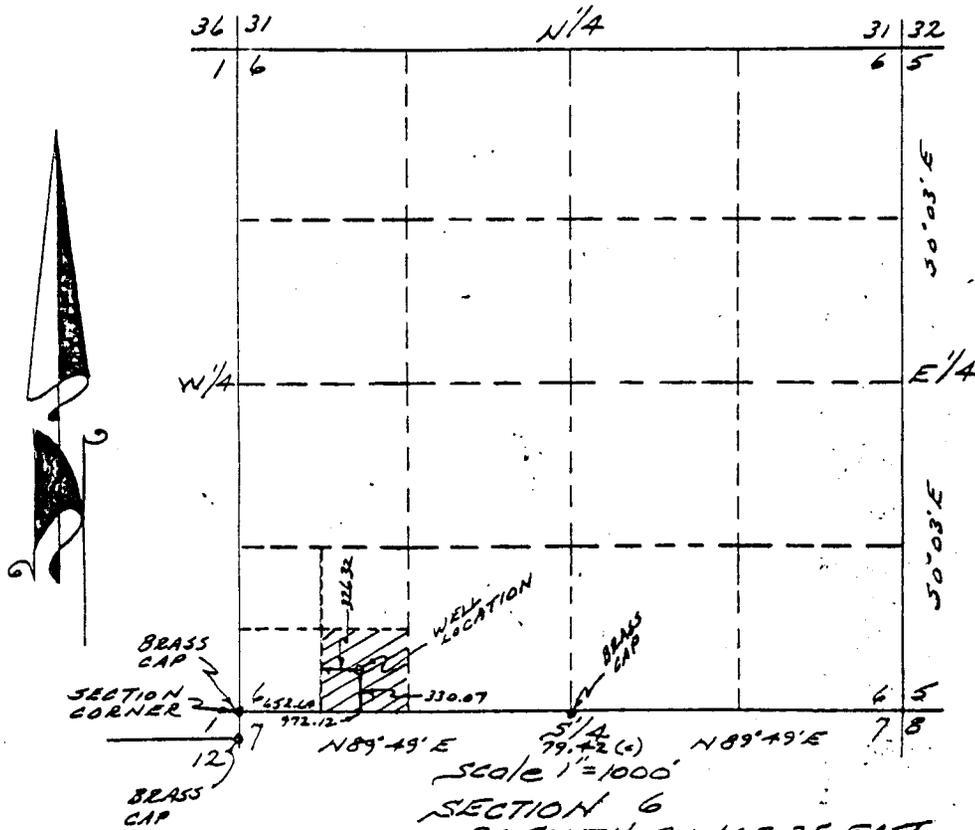
PERMIT NO. APPROVAL DATE

APPROVED BY s/Gene Nodine TITLE District Manager DATE 12/14/83

CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED See Instructions On Reverse Side

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



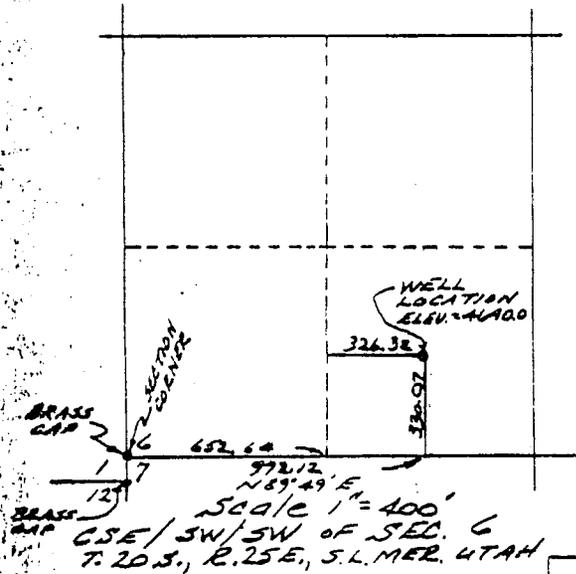
SECTION 6
TOWNSHIP 20 SOUTH, RANGE 25 EAST
SALT LAKE MERIDIAN, UTAH
DEPENDENT RESURVEY



SURVEYOR'S CERTIFICATION

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

AUG 15 1983
DATE
M. Carl Larsen
M. CARL LARSEN
REGISTERED UTAH SURVEYOR
CERTIFICATE (LICENSE) NO 2970



* ELEVATION TAKEN FROM
U.S.G.S. QUAD SHEET
ELEV. = 4640.0

GRAND COUNTY, UTAH

WELL LOCATION FEDERAL 1-6 (CSE/SW/SW), SEC. 6, T.20S, R.25E, S.L.M. UTAH	
PAUL PULLMAN OF F.L. ENERGY COMPANY 2020 EAST 3300 SOUTH STREET SALT LAKE CITY, UTAH, 84109 (1-801-467-5741)	
PREPARED BY LARSEN AND MALMQUIST CONSULTING ENGINEERS AND LAND SURVEYORS 2736 SOUTH 2300 WEST STREET WEST VALLEY CITY, UTAH, 84119 (1-801-972-2634)	
DRAWN BY R.R. DUM	SCALE AS SHOWN DRAWING NO
CHECKED BY M.C.L.	DATE AUG. 15, 1983 21-00 66-815
APPROVED BY M.C.L.	JOB NO. LAM0066-815

F & L Energy
Federal Buttes 1-6
Sec. 6, T. 20 S., R. 25 E.
Grand County, Utah
U-41092

Supplemental Stipulations

1. The location will be moved 60 feet to the northwest in order to ensure safe drilling operations and minimize traffic through the location.
2. The existing county road will be left undisturbed and used as the eastern border of the location.
3. Size of location will be reduced to 200 x 200 feet.
4. The top 6 inches of soil material will be removed and stockpiled along the south and east ends of the location.
5. Production facilities will be located on the north and west ends of the location.
6. All permanent (on site for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, (Desert Brown or Juniper Green) 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. (Occupational Safety and Health Act) will be excluded.
7. 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.
8. All loading lines will be placed inside the berm surrounding the tank battery.
9. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
10. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.
11. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
12. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the well head to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

- 13 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 monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

Burning will be allowed. All trash must be contained and disposed of.

14. Produced waste water will be contained to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. 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.
15. Reserve pit will be fenced with a 36 inch wire mesh fence and topped with at least one strand of barbed wire.
16. Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash, and junk not required for production.
17. 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.
18. The stockpiled topsoil will be evenly distributed over the disturbed areas.
19. Seed will be broadcast during the fall of the year (Oct.-Dec). If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.
20. The following seed mixture will be used:

		<u>lbs/acre</u>
Oryzopsis hymenoides	Indian ricegrass	3
Melilotus officinalis	Yellow sweetclover	2
Eurotia lanata	Winterfat	3
Atriplex canescens	Fourwing saltbush	3
		11 lbs/acre

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

22. 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.
23. "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.
24. The dirt contractor will be provided with an approved copy of the surface use plan.
25. This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.
26. 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 sub-contractors. A copy of these conditions will be furnished to the field representative to insure compliance.

All fresh water encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

27. Pressure tests will be conducted before drilling out from under all casing strings which are 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 recorded on the daily drilling report. Preventors will be pressure tested before drilling casing cement plugs.
28. 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 15 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, 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).
29. 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. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

30. 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.
31. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P.O. Box 2859, Casper, Wyoming 82602, and a copy forwarded to the Moab BLM District Office, P.O. Box 970, Moab, Utah 84532.
32. 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.
33. 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 the first business day following the date on which the well is placed on production.
34. 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 the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.
35. A first production conference will be scheduled within 15 days after receipt of the first production notice.

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.

Moab District
P. O. Box 970
Moab, Utah 84532

21 JAN 1985

F-L Energy Corporation
2020 East 3300 South, Suite 23
Salt Lake City, UT 84109

Re: Rescinding Application for
Permit to Drill
Well No. Federal-Buttes 1-6
Sec. 6, T. 20 S., R. 25 E.
Grand County, Utah
Lease U-41092

Gentlemen:

The Application for Permit to Drill the referenced well was approved on December 14, 1983. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals at (801) 259-6111.

Sincerely,

/S/ GENE NODINE

District Manager

cc:
State of Utah, Division of Oil, Gas and Mining ✓
Grand Resource Area

bcc:
U-942, Utah State Office

CFreudiger/cf 1/17/85

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

TYPE OF WORK DRILL [X] DEEPEN [] PLUG BACK []

TYPE OF WELL OIL WELL [X] GAS WELL [] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []

NAME OF OPERATOR F-L Energy Corporation

ADDRESS OF OPERATOR 2020 E 3300 S. Suite 23 Salt Lake City, Utah 84109

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) C SE 1/4 SW 1/4 (330 FLS, 979 FWL)

at proposed prod. zone As above

DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 20 Miles N.E from Cisco, Utah

DISTANCE FROM PROPOSED LOCATION* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 330' DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1353'

ELEVATIONS (Show whether DF, RT, GR, etc.) 4640 G.L.

5. LEASE DESIGNATION AND SERIAL NO. U-41092 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME Federal-Buttes 9. WELL NO. #1-6 10. FIELD AND POOL, OR WILDCAT Wildcat 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 6 T20S R25E SLBM 12. COUNTY OR PARISH Grand 13. STATE Utah 17. NO. OF ACRES ASSIGNED TO THIS WELL 40 20. ROTARY OR CABLE TOOLS Rotary 22. APPROX. DATE WORK WILL START* 11/1/83

RECEIVED FEB 19 1985 DIVISION OF OIL GAS & MINING

PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Row 1: 9 1/2", 7" O.D., 29 lb/ft, 150', Circulate to Surface. Row 2: 6 1/2", 4 1/2" O.D., 10.5 lb/ft, 1100', 100 Sx Class H.

It is proposed to drill this well to a sufficient depth to test the Entrada Formation. The expected producing formation will be the Morrison. The well will be air-mist drilled to T.D. unless a water-bearing formation is encountered. A dual ram, 3,000 psi, 6" B.O.P. and a rotating head will be used. It is planned to use a logging suite consisting of a D.I.L; G.R.; CNL; CDL; Caliper log, and the well will be logged from T.D. to 150'. Ditch samples will be taken at 10' intervals from 150' to T.D.

PLEASE 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 test program, if any.

SIGNED: [Signature] TITLE: [Signature] DATE: 1-25-85

APPROVAL DATE: [Blank]

APPROVED BY: Kenneth V. Rhea TITLE: Acting DISTRICT MANAGER DATE: 14 FEB 1985

CONDITIONS OF APPROVAL ATTACHED FLARING OR VENTING OF GAS IS SUBJECT OF NTL 4-A DATED 1/1/80 CONDITIONS OF APPROVAL ATTACHED



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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

February 1, 1985

F.L. Energy Corporation
2020 East 3300 South, Suite 23
Salt Lake City, Utah 84109

Gentlemen:

RE: Well No. Federal Buttes 1-6, Section 6, and Well No. Federal Buttes 1-7, Section 7, T 20S, R. 25E, Grand County, Utah.

The Division has recently received and reviewed two applications for permit to drill the above referenced wells. It has been noted that the original applications and approvals to drill these wells are still in effect with this office. Therefore, we are returning your applications unprocessed and we are allowing an extension of the original approvals for an additional twelve (12) months from this date.

We have been informed by the U.S. Bureau of Land Management that they have rescinded your original applications to drill the above wells. Because this office has not rescinded these applications in conjunction with the BLM action, we consider these approvals to still be in effect.

Please contact this office if you have additional questions concerning this matter. Thank you for your consideration.

Sincerely,


John R. Baza
Petroleum Engineer

su
enclosures
cc: R.J. Firth
Well File
0070T-35

P.L. Energy
✓ Paul Pullman 364-1063

9/27/85

Fed buttes #1-6
Ac 6, 20S, 25E

ID. 970'

Advised of P&A

Recd Appx of BLM

Cont. entire well bore & marker ✓

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PERMIT IN ... CASE*
(Other instructions on
reverse side)

Form approved,
Budget Bureau No. 42 R 1

13

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
F. L. Energy Corp

3. ADDRESS OF OPERATOR
2020 Eqst 3300 South

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
C SE 1/4 SW 1/4 (330FLS, 979FWL)
As proposed prod. zone
As Above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
20 Miles N.E. from Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
330

16. NO. OF ACRES IN LEASE
320

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
1353

19. PROPOSED DEPTH
700

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4640 G.L.

22. APPROX. DATE WORK WILL START*
10-7-85

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
9 1/2	7" O.D.	29 lb/ft	150	Circulate to Surface
6 1/2	4 1/2" O.D.	10.5 lb/ft	700	100 Sx Class H

This Well was Drilled to a depth of 970 Feet and penetrated the Entrata formation. It was electronically logged with a DIL and Compensated neutron Density log. The wrong formation parameters were used and on 9-27-85 Operation was temporarily stopped and the Well was plugged. The log was re-analyzed and the Well now appears to be Oil productive. It is now requested that that a permit be issued to re-enter the well for completion. There no pressures encountered and we also request that no Blow Out Preventer be required.

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.

SIGNED Lydia Kano TITLE Sec/Treas DATE Oct 1, 1985

(This space for Federal or State office use)

PERMIT NO. _____ APP. **ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**

APPROVED BY _____ TITLE _____ DATE: 10/9/85 BY: John R. Daga

Federal approval of this action is required before commencing operations. See Instructions On Reverse Side

RECEIVED FEB 10 1985

3162.3 (U-068)
U-41092

BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

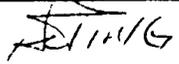
FEB 12 1985

Company F.L. Energy Corporation Well No. Federal-Buttes 1-6

Location: Sec. 6, T. 20 S., R. 25 E. Lease No. U-41092

Onsite Inspection Date February 6, 1985

- 1) No dirt work nor drilling will begin before a pre-construction field inspection has been completed.
- 2) Present at the onsite will be the operator, surveyor, driller, dirt contractor, and area manager's representative.
- 3) The drill pad needs to be restaked, access flagged, and surface disturbances agreed upon by all parties and signed by the operator and the area manager's representative before any surface disturbance can begin.
- 4) The dirt contractor and driller will notify Jeff Robbins at (301) 259-8193 prior to commencing their specific activities in the field.
- 5) These five conditions are in addition to the stipulations previously submitted and approved in the APD package dated December 14, 1983 and resubmitted for approval January 25, 1985 (Form 3160-3).


 Colin P. Christensen
 Area Manager 



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

December 6, 1985

F L Energy Corporation
2020 East 3300 South #23
Salt Lake City, Utah 84109

Gentlemen:

Re: Well No. Federal Buttes 1-6 - Sec. 6, T. 20S., R. 25E.,
Grand County, Utah - API #43-019-31102

A recent APD submitted to this office on the above referenced well indicates that the well has been spudded; however, this office has not received proper notification of spudding as requested in the letter of approval to drill.

It is also necessary to file monthly drilling reports.

Sincerely,

A handwritten signature in cursive script that reads "Pam Kenna".

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0170S/22

Pam, this is apparently
is a PA well which
is permitted for re entry.
It should reside in
the drlg file.

Tami,

The PA card should be
located on the active side,
with a notation that it
has been permitted for
re entry.

Steph,

Data enter as permit to
re enter, if not already done.

3
SOLD

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

SUNDRY NOTICE

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL DEEPEN PLUG BACK

b. Type of Well
Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator
F.L. Energy

3. Address of Operator
2020 E. 3300 So. S.L.C., Utah 84109

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface: C SE 1/4 SW 1/4 SW 1/4 330FSL 979Fw1
At proposed prod. zone:

5. Lease Designation and Serial No.
U-41092

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
Federal Buttes

9. Well No.
1-6

10. Field and Pool, or Wildcat
Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area
S6 T20S R25E SLBM

14. Distance in miles and direction from nearest town or post office*
@0 Mile NE Cisco Ut.

12. County or Parrish 13. State
Grand, Utah

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)
330

16. No. of acres in lease
320

17. No. of acres assigned to this well
40

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.
1353

19. Proposed depth
700

20. Rotary or cable tools
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
4640 GL

22. Approx. date work will start*
10-1-85

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
9 1/4	7	29	150	Circulate to Surface
6 1/4	4 1/2	10.5	700	100 Sx Class H

Spudded 9-23-85 ✓ Drilled 970 on Rotary Air method through the Entrance
Logged, Plugged and Abandoned. Cement at 125-175, 300-350
850-970. per Paul Browns instruction, BLM

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FEB 28 1986

DIVISION OF
OIL, GAS & MINING

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: *Paul Brown* Title: President Date: 2-25-86

(This space for Federal or State office use)

Permit No..... Approval Date

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

MOAB DISTRICT OFFICE

Cimarron Petroleum Corporation
Well No. Cimarron Petro Corp. #1
Sec.5, T.22S, R.24E,
Grand County, Utah
API NO. 43-019-30987
U-20047-B

*Being checked for final release SRA
4/2/86*

G.R. Dickinson
Well No. Williams Federal #6
Sec.5, T.42S, R.19E,
San Juan County, Utah
API NO. 43-037-31146

U-7303-D Rescinded 4/8/86

G.R. Dickinson
Well No. Williams Federal #7
Sec.5, T.42S, R.19E,
San Juan County, Utah
API NO. 43-037-31147

U-7303-D Rescinded 4/8/86

F-L Energy Corporation
Well No. Federal Butte's 4-6
Sec.6, T.20S, R.25E,
Grand County, Utah
API NO. 43-019-31102

SRA rec'd 3/11/86

U-41092

Clint Howell
Well No. Gebauer - Groom #6
Sec.7, T.42S, R.19E,
San Juan County, Utah
API NO. 43-037-30838

*S.N. noted 2/19/86
Well should be completed by 4/1/86.*

U-7303

Milestone Petroleum, Inc.
Well No. Navajo Federal 10-1
Sec.10, T.39S, R.25E,
San Juan County, Utah
API NO. 43-037-31073

Rescinded 3/10/86

U-12426

Southland Royalty Company
Well No. Straight Canyon Federal 22-1
Sec.22, T.18S, R.6E,
Emery County, Utah
API NO. 43-015-30214

*Returned application
Unapproved 3/22/85*

U-15193

Page Two
Moab District Office

TXO Production Corporation
Well No. Cedar Ridge Canyon Federal #1
Sec.19, T.13S, R.17E,
Carbon County, Utah
API NO. 43-007-30104
U-48746

*Returned application
unapproved 4/10/85*

Wintershall Oil and Gas Corporation
Well No. Little Nancy Unit 34-14
Sec.34, T.37S, R.25E
San Juan County, Utah
API NO. 43-037-31119

Rescinded APD 9/1/86

U-44822

April 2, 1986

TO: Well File

FROM: John R. Baza *ARB*

RE: Well No. Federal Buttes 1-6, Sec.6, T.20S, R.25E,
Grand County, Utah

A review of the subject well file and associated inspection reports indicates that the well is currently plugged, but an approval is pending for re-entry of the plugged well. The sequence of events for the well is as follows:

October 3, 1983	Well approved for drilling by the Division.
December 14, 1983	Well approved for drilling by the BLM.
January 21, 1985	Drilling approval rescinded by the BLM.
February 1, 1985	Drilling approval rescinded by the Division.
February 14, 1985	BLM approved reapplication by operator to drill well.
September 23, 1985	Well spudded.
September 27, 1985	Well plugged and abandoned.
October 9, 1985	Re-entry of well approved by Division.
January 29, 1986	Inspection report indicates no action occurred after P & A of well in September 1985.

Therefore, the well is currently plugged properly and the approval to re-enter is valid for one year from date of approval. Inspectors will monitor for any activity and verify approvals with the BLM.

sb
0265T-70



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

August 12, 1986

F L Energy
2020 East 3300 South, #23
Salt Lake City, Utah 84109

Gentlemen:

Re: Well No. Federal Buttes #1-6 - Sec. 6, T. 20S, R. 25E
Grand County, Utah - API #43-019-31102

Rule 312 of the Oil and Gas Conservation General Rules requires that Form DOGM-3 "Well Completion or Recompletion Report and Log", along with copies of logs and tests run, be filed with this office not later than 90 days after well completion and/or plugging procedure.

Please complete and return the enclosed Form DOGM-3 or the equivalent federal form including copies of logs and tests which may have been run on the referenced well to the address listed below, at your earliest convenience, but not later than August 28, 1986.

Utah Division of Oil, Gas, and Mining
Attention: Suspense File - Norm Stout
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Respectfully,

Norman C. Stout
Records Manager

ts
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
Well File
Suspense File

0448S/12

082931

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY 082201

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
F.L. Energy 2020 E 3300 S. #23

3. ADDRESS OF OPERATOR
S.L.C., Utah 84109

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: SE 1/4 SW 1/4 SW 1/4
AT TOP PROD. INTERVAL: 330 FSL 979 FWL
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 checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE U-41092

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal Buttes

9. WELL NO. 1-6

10. FIELD OR WILDCAT NAME
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
S6 T20S R25E SLBM

12. COUNTY OR PARISH | 13. STATE
Emery | Utah

14. API NO. 43-019-31102

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4640 GL

(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.)*

Spudded 9-23-85 Drilled 970 on Rotary Air Rig through the Entrata Formation. Logged, plugged, and Abandoned. Cement 125-175 850-970 per Paul Browns instructions,

RECEIVED
AUG 22 1986

DIVISION OF
OIL, GAS & MINING

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

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

SIGNED [Signature] TITLE President DATE 3 11-86

(This space for Federal or State office use)

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