

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.
U-12702

6. INDIAN, ALIEN, OR TRIBAL NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
Federal #30-3

10. FIELD AND POOL, OR WILDCAT
Cisco Dome

11. SEC. T., R., N., OF B.L.R. AND SURVEY OR AREA
NW. SE. Sec. 30-20S-22 E S.L.M.

12. COUNTY OR PARISH
Grand

13. STATE
Utah

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
N. P. Energy Corporation

3. ADDRESS OF OPERATOR
84101 Suite 320, 57 W. South Temple, Salt Lake City, Utah

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface **NW. SE. Section 30, T 20S, R 22E, S.L.M.**
At proposed prod. zone **2092' fr. E-line and 1940' fr. S-line**

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approx. 1 1/2 miles NW. of Cisco, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) **1940'**

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
160 acres

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. **2640'**

19. PROPOSED DEPTH
2900'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
Grd: 4995'; K.B.: 5005'

22. APPROX. DATE WORK WILL START*
Aug. 20, 1980

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	8 5/8"	24.00#	200'	100 sks
7 7/8"	4 1/2"	10.50#	Thru pay zone	es-Cemented to 200' above K

It is planned to drill a well at the above location to test the gas and/or oil production possibilities of the sands in the Dakota, Cedar Mt., Morrison, and Entrada formations. The well will be drilled to approximately 50 to 100 ft. below the top of the Entrada formation, if conditions permit. The well will be drilled with rotary tools, using air for circulation. The surface casing (8 5/8") will be set at about 200' K.B. and cemented with returns to the surface. A blowout preventer and rotating head will be installed on top of the surface casing. Fill and kill lines will be connected to the well head below the blind rams on the blowout preventer. Any gas encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2" line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times. A prognosis of the well is attached.

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 H. Ron Guigley TITLE V. Pres. Oil & Gas Oper. DATE July 27, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

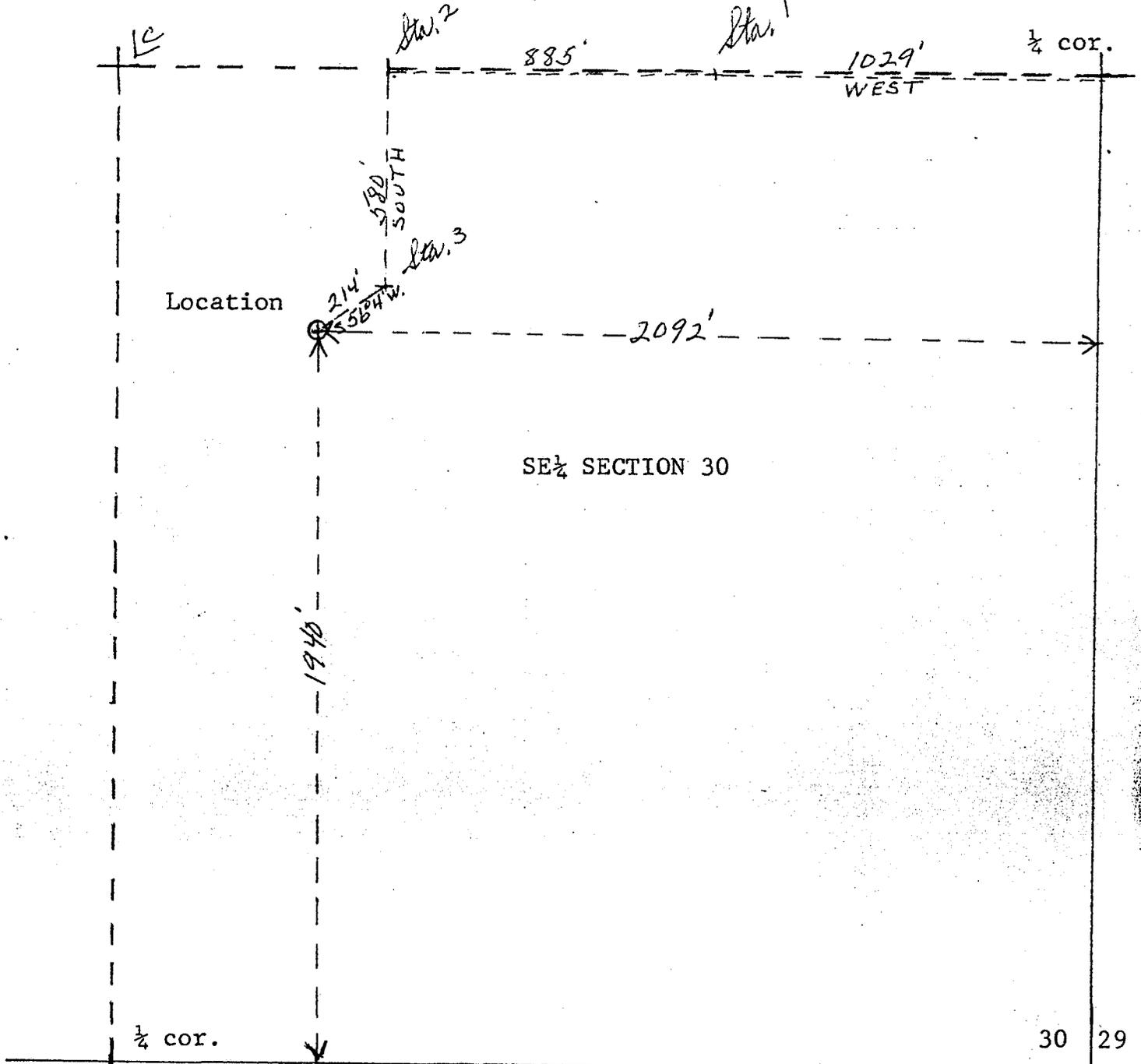
APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 8-7-80
BY: M.S. Minder

*See Instructions On Reverse Side

(1940' fr. S-line &
2092' fr. E-line)

LOCATION PLAT FOR
NP ENERGY CORPORATION
FED. # 30-3 WELL
NW. SE. SEC. 30-20S22E
GRAND COUNTY, UTAH

Elev.: 4995' grd.



SE 1/4 SECTION 30

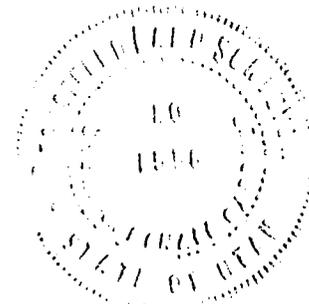
Ref. pts. are 150' N-S-E-W

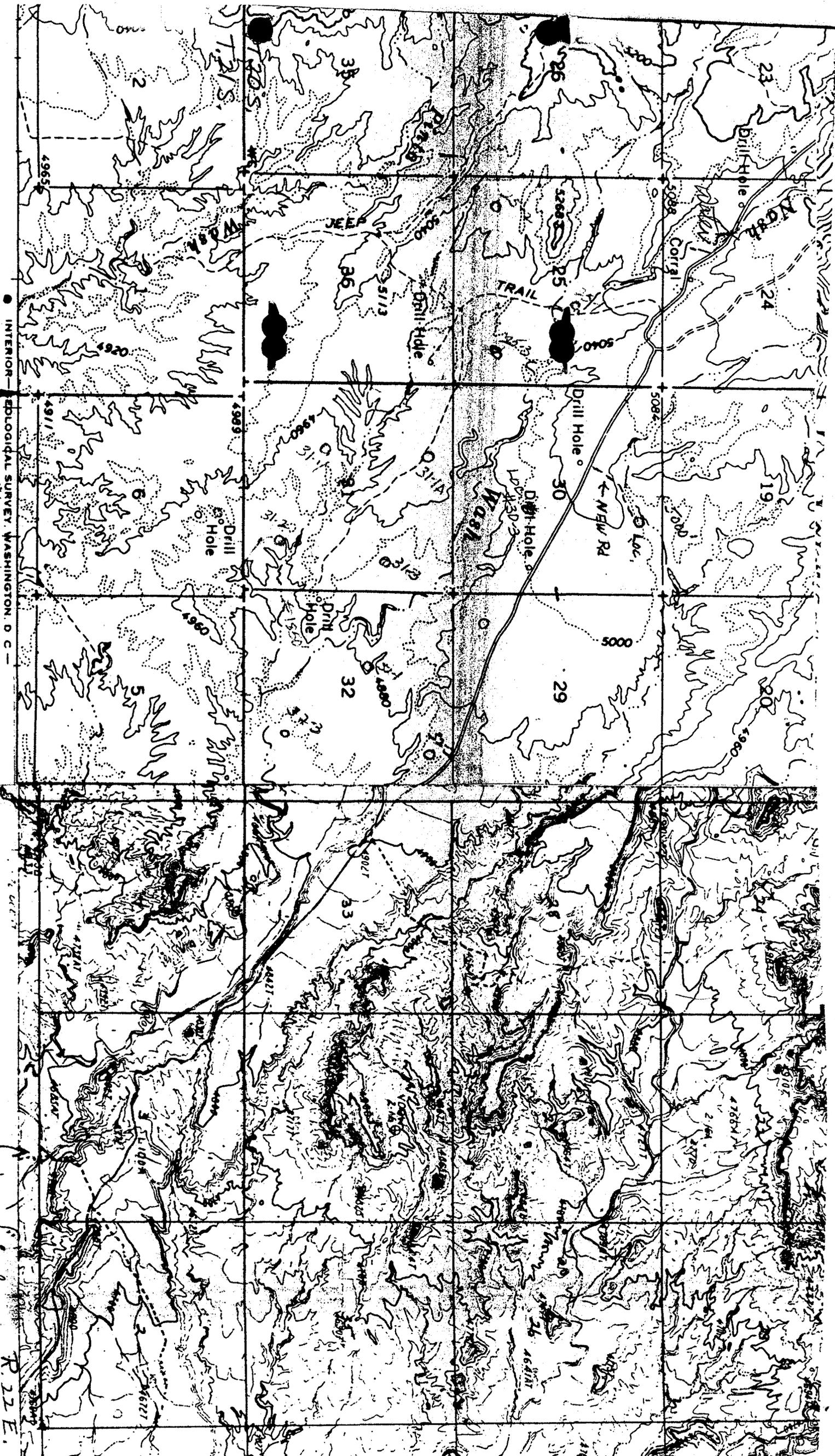
Scale: 1 in. = 400 ft.
Date: July 24, 1980

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31 32

I, Sherman D. Gardner, do hereby certify that this plot was plotted from notes of a field survey made under my direct responsibility, supervision, and checking on July 7, 1979.

Sherman D. Gardner
Registered Land Surveyor
State of Utah #1556





INTERIOR — GEOLOGICAL SURVEY, WASHINGTON, D. C. —

R. 22 E.

NORTH
Drill Hole

5088 Corral

TRAIL

Drill Hole

NEW RD

Drill Hole

WASH WASH

JEEP

Drill Hole

Drill Hole

Drill Hole

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PROGNOSIS FOR
N. P. ENERGY CORP.
FEDERAL #30-3 WELL

Location: NW. SE. Sec. 30, T 20S, R 22E, S.L.M., Grand County, Utah
2092' fr. E-line and 1940' fr. S-line)

Elevation: 4995' grd.; 5005' K.B.

Surface Casing: 200 ft. of 8 5/8", 24.00#, K-55, R-3 casing set and cemented w/100 sks of cement w/3% CaCl, with returns to the surface. The surface hole (12 3/4") will be drilled to 200 ft. K.B. and will be less than 1 3/8" deviation.

Expected Formation Tops:

<u>Formation</u>	<u>Depth to Top</u>	<u>Thickness</u>	<u>Datum</u>
Mancos	Surface	2020'	5005' K.B.
Dakota	2020'	75'	2985'
Cedar Mountain	2095'	85'	2910'
Morrison (Brushy Basin)	2180'	260'	2825'
(Salt Wash)	2440'		
Curtis-Summerville	2720'	40'	2285'
Entrada	2760'	---	2245'
Total Depth	2875'		

1. It is planned to drill a 11" surface hole for the surface casing down to a depth of about 200 ft. and set 8 5/8" casing with approx. 100 sks of cement with returns to the surface. A casing head or flange will be mounted on top of the surface casing and a blowout preventer with blind and pipe rams (hydraulic) will be mounted on the casing head. A rotating head will then be mounted on top of the blowout preventer. A blewie line, at least 100 ft. long, will then be attached to the rotating head and extended into the reserve pit.
2. A 7 7/8" hole will then be drilled below the surface casing, using air for circulation. A flare will be maintained at the end of the blewie line at all times while drilling below 1500'. This will insure that no gas will be missed. The air drilling will also minimize the damage to the hydrocarbon reservoir.
3. Samples of the cuttings will begin at 1500'. 30-ft. samples will be taken from 1500' to 2000', and then 10-ft. samples will be taken from 2000' to total depth.
4. It is planned to drill the well to a depth which is approximately 100 feet below the top of the Entrada formation unless good commercial flow of gas is obtained above this depth.

5. If a high gas flow (several million cubic feet) and/or when the total depth of the well is reached, electric logs will be run. Prior to running logs, high viscosity mud (not less than 100 vis.) will be pumped into the hole to provide control of the gas and to provide a conductive medium for the logs. A dual-induction-laterolog will be run from bottom to the top of the hole, and a gamma-density and compensated neutron porosity log will be run from the bottom to a point which is 200' above the top of the Dakota formation.
6. If good production (over 750 MCF) is obtained, 4½" O.D., 10.50#, K-55, R-3 new casing will be run and cemented conventionally with sufficient R.F.C. cement to cover 200 ft. above the top of the Dakota formation. The production zone will then be perforated, 2 3/8" O.D. tubing run, and completed conventionally.
7. It is anticipated that the drilling of the well will require less than one week.

H. Row Guigley

N T L - 6 P L A N R E P O R T

For

Well Name: Federal #30-3

Location: NW SE. Sec. 30-20S-22E, S.L.M., Grand County, Utah

1. Existing Roads: (See attached Maps)

A. Well Location: (See Plat #1)

Reference Stakes: 150' N-S-E-W

Perimeter Stakes: Above stakes outline perimeter of well pad.

B. Route and Distance to Well Site From Reference Point: (See att. maps)
Approximately 13 miles from W-Cisco Exit on I-70 along Windy Mesa road and
Cunningham Ranch road.

C. Access Roads (Identify secondary roads to be used): (See att. maps)
The Windy Mesa-Cunningham Ranch road is used for 12 miles and the last 1/4 mile to
the well site will be a new road to the southwest from the county
road.

D. Roads Within 3 mile Radius: (See att. maps) Roads have natural surface
but are graded, and well used. The roads used are improved but are on Mancos
soil of shale, clay and gravel, and are generally in good shape at the
present time.

Surface type and conditions: See above

E. Roads Within 1 mile Radius: (See att. maps) See 1-D Above.
The location is within 1000' of a well used road which is in good condition.
The roads not used are mostly trails of inferior quality and are unimproved. They
are shale, clay, sand and gravel, and are about 14' wide.

F. Plans for Road Improvement & Maintenance: The roads to the well, except
last 1000', are graded and ditched and should require no further maintenance.

F. _____

2. Planned Access Roads: (See att. maps) About 1000' of new road. This road will be crowned and ditched on both sides.

- (1) Width: 22ft. maximum disturbed width.
- (2) Maximum Grades: Less than 6%
- (3) Turnouts: None
- (4) Drainage Design: No new drainage required.
- (5) Location and Size of Culverts, Cuts, and Fills: No culverts are required. No deep cuts or fills should be required.
- (6) Surfacing Material: Natural surface of silt, and shale w/some rocks.
- (7) Gates, Cattleguards, or Fence Cuts: No additional gates, cattleguards, etc. required.
- (8) All new roads have been flagged as required.

3. Location of Existing Wells: (See Map No. 3)

- (1) Water Wells: None
- (2) Abandoned Wells: See Map
- (3) Temporarily Abandoned Wells: None
- (4) Disposal Wells: None
- (5) Drilling Wells: None at present time
- (6) Producing Wells: See Map #3 (Approx. 8)
- (7) Shut-in Wells: Several - waiting for pipeline permits, and many producing
- (8) Injection Wells: None
- (9) Monitoring or Observation Wells: None

4. Location of Existing and/or Proposed Facilities: .

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

- (1): Tank Batteries: (Size) None

(2) Production Facilities: N. P. Energy has several producing gas wells in the area which are equipped with dehydrators, meter houses and pipelines. (Pg.7)

(3) Oil gathering lines: None

(4) Gas gathering lines: 3" lines - some are proposed for this well

(5) Injection lines: None

(6) Disposal lines: None

(7) Are lines buried? Will be buried on the well pad and on the surface off the pad.

- B. If new facilities are contemplated, in the event of production, show: (These facilities depend on the outcome of the proposed well and are really unknown at this time.) Show a general proposed plan. (See Plat No. 2)

(1) Are any facilities planned off well pad? If gas production is obtained, a 3" pipeline to a gathering line would be needed. This line and right-of-way will be applied for when and if the well is completed as a gas well.

(2) Give dimensions of facilities: See Plat #2

(3) Construction methods and materials: Location will be levelled for production equipment. Tank batteries will be placed on a 3-in. gravel pad and surrounded with an 18" dike (15' from tanks). Separators and heater-treaters will be placed on gravel pads or cement bases. Pump jacks will be on cement platforms or on raised dirt and gravel mounds. All pipe lines on the pad will be buried. Any off pad pipeline will be laid on the surface. No grading will be required and disturbance will be kept to a minimum.

(4) Protective measures for livestock and wildlife: All open pits will be fenced with woven wire (sheep) fence (40") and pump jacks or rotating machinery will have guards to prevent danger by moving parts.

- C. Plan for rehabilitation of disturbed areas no longer needed after drilling operations are completed: Well site will be cleaned, levelled, and graded for production equipment; pits folded-in or fenced with woven wire if

C. full of fluid before the rig is moved. While production ensues, previous areas of well pad not needed for production operations will be restored as in Item 10 below. Cleaning the site and pit work will be done within 30 days after the well is completed, if possible.

5. Location & Type of Water Supply: (See att. maps)

A. Type of Water Supply: From Nash Wash at a point marked on Map #1 in Section 3 T 21S, R 22E. This is about 8 miles from the location, Water from Nash Wash at a point in Sec. 24-20S-21E. may also be used.

B. Method of Transporting Water: The water will be hauled from Nash Wash to the well site by truck along the Cunningham Ranch road. This will be approximately 8 miles from the spring to the well site, or about 2 miles if the wash is running.

C. Is Water Well Planned? No

If so, describe location, depth and formation: _____

6. Source of Construction Materials:

A. See attached map and describe: None will probably be required, since the well will be drilled during the good weather season.

B. Identify if Federal, Indian, or Fee Land: _____

C. Describe Material: (Where from and how used) _____

D. See item 1-C and 2 above.

7. Waste Disposal:

(1) Cuttings: The cuttings will be blown into the reserve pit, and the blewie line will be directed into the cut portion of the pit.

(2) Drilling Fluids: In mud tanks; excess put into reserve pit.

(3) Producing Fluids (oil or water) Oil in tanks; water in reserve pit.

(4) Human Waste: Toilet with pit (4' deep) with lime for odor and sanitation control. Will be covered with soil (3' deep) at end of operation.

(5) Garbage & Other Waste: (Burn pit will be ^(prior to commencement of drilling) adequately fenced with chicken wire to prevent scattering of debris by wind) Into burn pit, (4'X6'X6' deep) and burned periodically. The burn pit will be approx. 125' from well head.

(6) Clean-up: (See item 10 below) All garbage and unburned debris will be buried by at least 3 ft. of cover after the drilling and completion operations are finished. The unused material and all equipment will be removed from the site and taken to supply yards or to the next drill site, as soon as the well is completed.

8. Airstrips and/or Camp Sites (Describe): None needed.

9. Well Site Layout: (See Plat No. 3)

(1) Describe cuts or fills: The location is on a sloping surface which will be levelled after the top soil (12" deep) has been removed. A 10 ft. cut on the N-side, a ten-ft. fill on the S-side; a 5' cut on the west side, and a 5' fill on the E-side will be required.

(2) Describe pits, living facilities, soil stockpiles: Reserve pit is long and narrow as shown, and will be placed on the west side. Excavated material will be piled at the west end of pit, with the top soil piled separately at the far end. Top soil, mostly silt (12" deep), will be piled at the north and south ends of the site. Two or three trailer houses will be provided for the supervisory personnel.

(3) Rig Orientation, Pipe rack, Access Road Entrance, etc.: (See Plat #3) Rig will be oriented N-S. Pipe racks on the N. end. Access road on the northeast side.

(4) Are Pits Lined? Unlined with 4-ft. banks

10. Plans For Restoration:

A. If Well is completed: Site will be cleaned, debris removed, pits folded-in or fenced with woven wire if full of fluid, and site levelled for production equipment. All unused portions will be contoured, graded, scarred, and seeded with wheat grass, or acceptable seed mix authorized by BLM.

B. If Well is abandoned:

(1) Clean-up, levelling, folding pits-in, contouring: These items will be done as soon as possible. Clean-up will be accomplished at time rig is

B. (1) removed. The rest of the work should be done within 10 to 60 days after well is completed.

(2) Seeding location and access road: Site will be seeded with crested wheat grass, or with a seed mix suggested by BLM by scarring with a dozer and then shallow-drilled. The access road, if no longer needed, will be erased, contoured, seeded, and scarred as above. Water bars will be placed where needed.

(3) Will pits be fenced or covered? If there is a large amount of fluid in the reserve pit, it will be fenced with woven wire before rig is released and remain fenced until the fluid dries up and the pit is reclaimed.

(4) Is there any oil in reserve pit? Probably no oil
If so, describe disposal: Should not be any great amount. If there is a large amount, it will be removed prior to covering pit.

(5) When will restoration work be done? As soon as possible. Within 60 days after equipment is removed if weather and availability of clean-up equipment permit and will be completed within 10 days thereafter.

11. Description of Land Surface:

(1) Topography & Surface Vegetation: Location is on sloping ground near a wash on the south and east sides and is on typical Mancos soil, silt, and gravel. Sage brush, shad scale, grass and tumble weed are the present vegetation.

(2) Other Surface Activities & Ownership: The land around the drill site is federal land with minerals and surface owned by the public. N. P. Energy has an oil and gas lease on the area. The area does have some grazing by cattle. There are no powerlines, powersites, irrigation ditches or cultivation in the area. A stock corral is located in the SW $\frac{1}{4}$ of Sec. 24.

(3) Describe other dwellings, archaeological, historical, or cultural sites: There are no known buildings, archaeological, historical or cultural sites in the area. A carbon black plant was once located in the N $\frac{1}{2}$ of Section 25, but has long since been removed. An archaeological study and report will be made on the site as soon as possible.

12. Operators Representative: (Address & Phone number)

W. Don Quigley, Suite 440, 57 West South Temple, Salt Lake City, Utah 84101

801-359-3575

13. Certification:

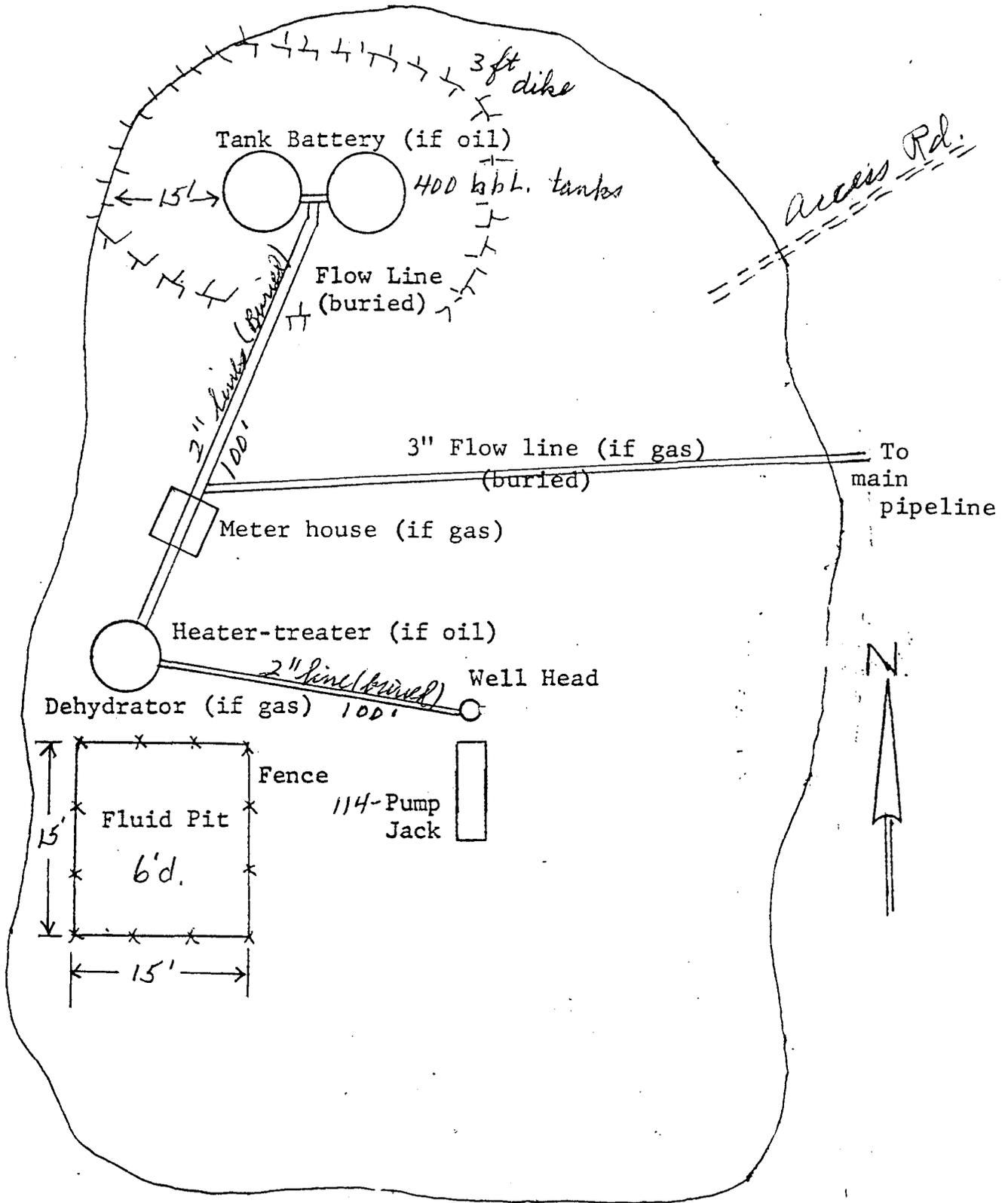
I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and that work associated with the operations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

Date: July 28, 1980

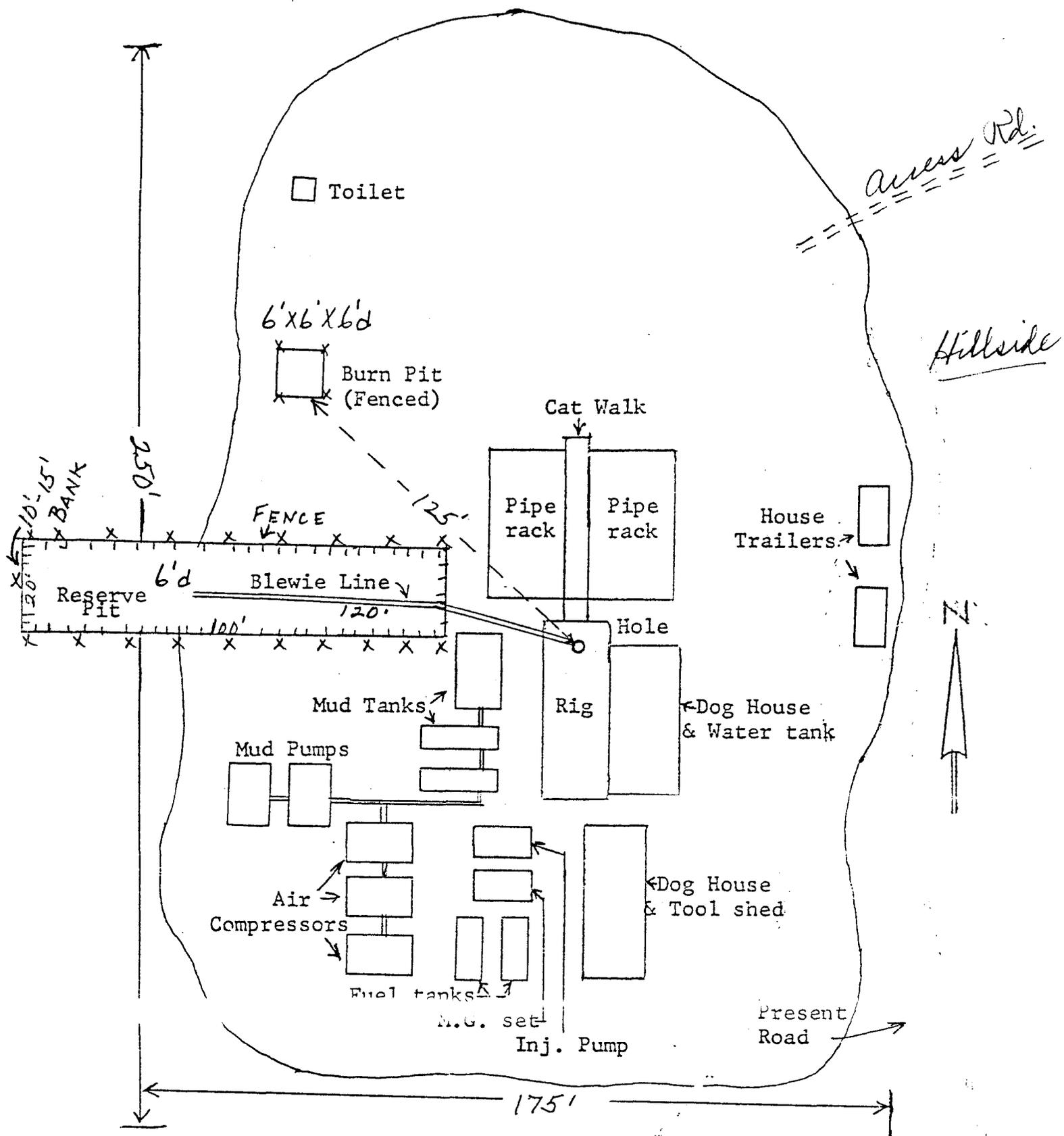
Name: W. Don Gingley

Title: Consulting Geologist

PLAN FOR PRODUCTION EQUIPMENT
N. P. ENERGY CORP.
FEDERAL #30-3, WELL
NW. SE . SEC. 30-20S-22 E

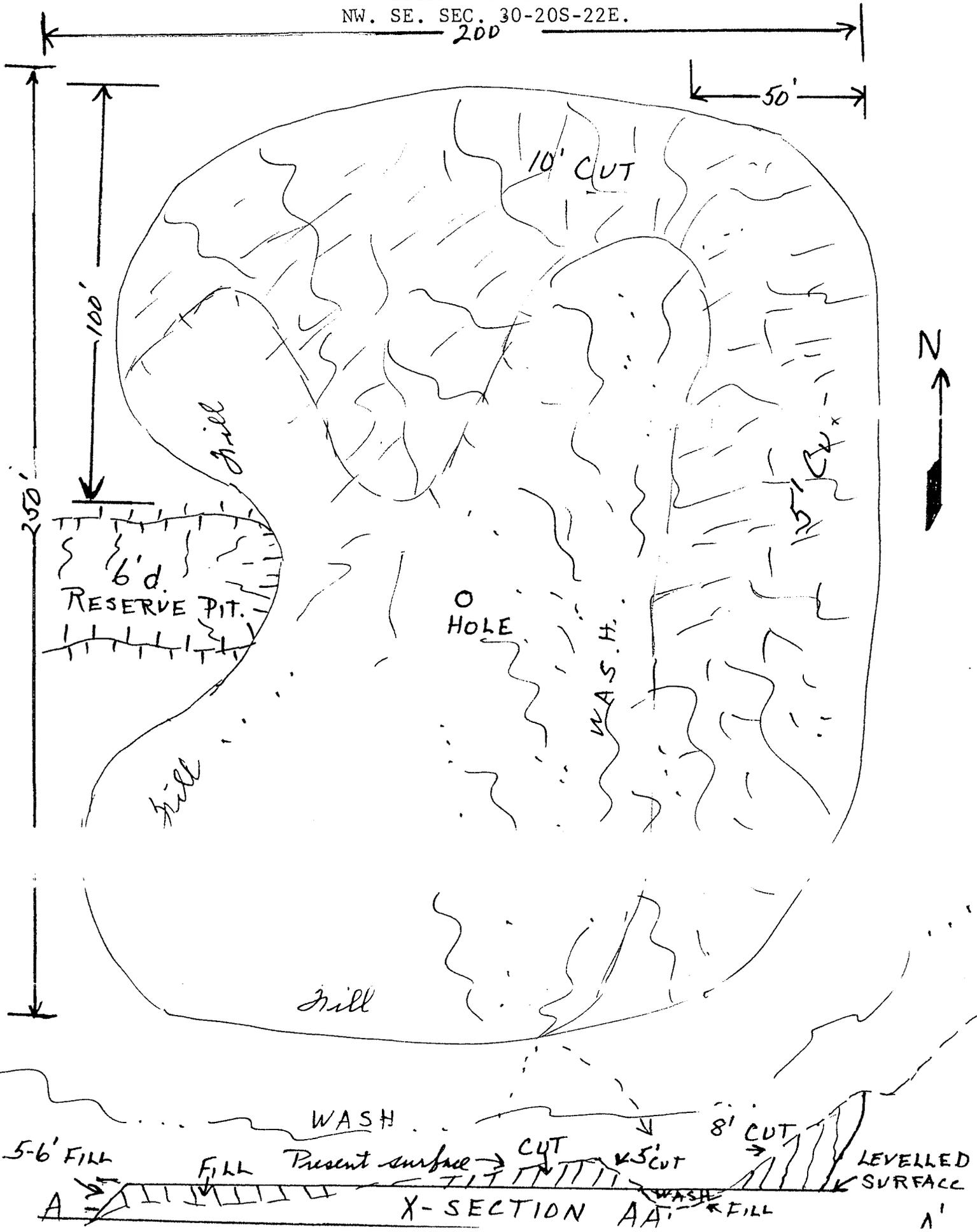


LOCATION PLAN FOR
 N. P. ENERGY CORP.
 FEDERAL #30-3 WELL
 NW. SE . SEC. 30, -20S-22E



Scale: 1 in. = approx. 30 ft.

CUT AND FILL MAP
 N P ENERGY CORP.
 FEDERAL #30-3 WELL
 NW. SE. SEC. 30-20S-22E.



WELL CONTROL EQUIPMENT FOR
N. P. ENERGY CORP.
FEDERAL #30-3 WELL
NW. SE. SEC. 30-20S-22E.
GRAND COUNTY, UTAH

The following control equipment is planned for the above designated well: (See attached diagram)

1. Surface Casing:

- A. Hole size for surface casing is 12 $\frac{1}{4}$ ".
- B. Setting depth for surface casing is approx. 200 ft.
- C. Casing specs. are: \varnothing 5/8" O.D., K-55, 24.00#, 8 rd. thread, R-3 new or used.
- D. Anticipated pressure at setting depth is approx. 20 lbs.
- E. Casing will be run using three centralizers and a guide shoe, and will be cemented with 75 sks of cement with returns to the surface.
- F. Top of the casing will be near ground level.

2. Casing Head:

Flange size: 10", A.P.I. Pressure rating: 2000# W.P., Series 600; Cameron, OCT, or equivalent; new or used; equipped w/two 2" ports with nipples and 2", 2000# W.P. ball or plug valves. Casing head and valves set above ground level. (A flange only may be used on top of the casing, if the B.O.P. is equipped with 2" outlets below the blind rams.)

3. Intermediate Casing:

None

4. Blowout Preventors:

- A. Double rams; hydraulic; one set of blind rams; one set of rams for 3 $\frac{1}{2}$ " or 4" drill pipe; 10" flange; 2000# or greater W.P.; Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head flange and securely bolted down, and pressure tested for leaks up to 2000# p.s.i. A hydraulically operated hy-drill may be used in place of the above B.O.P., if equipped with 2" outlets below the rams. B.O.P. will be tested for leaks at 2000# p.s.i. prior to drilling below surface casing.
- B. Rotating Head: Shaffer, Grants or equivalent; set on top of blowout preventor and bolted securely; complete with kelly drive, pressure lubricator; 3 $\frac{1}{2}$ " or 4" rubber for

2000# W.P.; need not have hydril assembly on bottom, if a separate hydril or B.O.P. is used.

- C. Fill and Kill Lines: The fill and kill lines (2" tubing or heavy duty line pipe) are to be connected thru the 2" valves on the casing head and thru a manifold to permit ready switching from the fill to kill lines.

5. Auxillary Equipment:

A float valve is to be used in the bottom drill collar at all times. A safety valve that can be used in the drill pipe will be kept within easy reach on the rig floor at all times.

6. Anticipated Pressures:

The shut-in pressures of the Dakota, Cedar Mountain, and Morrison formations at depths of 2000' to 3000' in the area have been measured at about 600# to 800# maximum. No toxic gases have ever been encountered in the area and none are anticipated.

7. Drilling Fluids:

Air will be used to drill the subject well until water is encountered, then air-soap-water mist will be used to drill the well deeper. In case of excessive caving problems, it may be necessary to convert to mud.

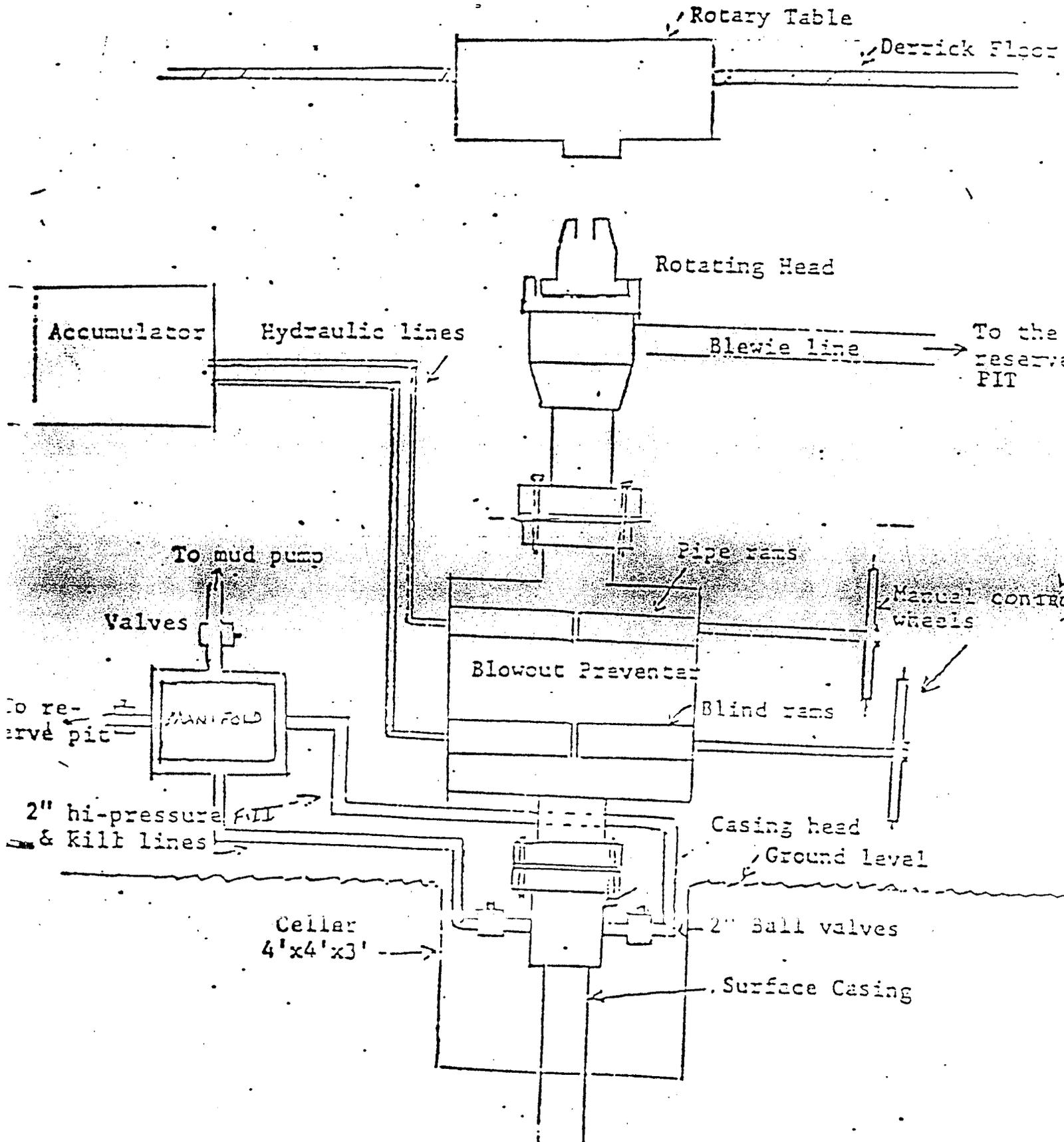
8. Production Casing:

- A. Hole size for production casing will be 7 7/8".
- B. Approx. setting depth will be about 3500'.
- C. Casing Specs. are: 4 1/2" O.D.; K-55; 10.50#; 8-rd thread; R-3, new.
- D. If good production is obtained, the casing will be run with a guide shoe at the bottom and about six centralizers and cemented conventionally with sufficient R.F.C. cement to cover 200 ft. above the top of the Dakota formation. The production zone will be perforated, 2 3/8" O.D. tubing will be run, and the well completed conventionally. In the event the production is small, it may be desirable to minimize the damage to the formation by keeping all mud and cement off the formation. In this case the procedure outlined below will be used.
- E. Casing will be run with about six centralizers and a cement basket with DV tool set above the production zone.

There will be sufficient casing to extend thru the production zone below the basket with a blind guide shoe on the bottom. The casing will be cemented above the packer with about 85 sks of cement (sufficient to cement thru the Dakota formation). The cement will be allowed to cure at least 48 hrs. The plug can then be drilled out and the casing perforated below the DV tool. Two inch tubing will be run and secured in the tubing head prior to perforating.

SCHEMATIC DIAGRAM OF
CONTROL EQUIPMENT FOR THE

N. P. ENERGY CORP.
FEDERAL #30-3 WELL
NW. SE. SEC. 3020S-22E.



4-5-6-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

2. NAME OF OPERATOR
 N. P. Energy Corporation

3. ADDRESS OF OPERATOR
 Suite 320, 57 W. South Temple, Salt Lake City, Utah 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface NW. SE. Section 30, T 20S, R 22E, S.L.M.
 At proposed prod. zone 2092' fr. E-line and 1940' fr. S-line

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approx. 1 1/2 miles NW. of Cisco, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1940'

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160 acres

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2640'

19. PROPOSED DEPTH
 2900'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 Grd: 4995'; K.B.: 5005'

22. APPROX. DATE WORK WILL START
 Aug. 20, 1980

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	8 5/8"	24.00#	200'	100 sks
7 7/8"	4 1/2"	10.50#	Thru pay zones	Cemented to 200' above

It is planned to drill a well at the above location to test the gas and/or oil production possibilities of the sands in the Dakota, Cedar Mt., Morrison, and Entrada formations. The well will be drilled to approximately 50 to 100 ft. below the top of the Entrada formation, if conditions permit. The well will be drilled with rotary tools, using air for circulation. The surface casing (8 5/8") will be set at about 200' K.B. and cemented with returns to the surface. A blowout preventer and rotating head will be installed on top of the surface casing. Fill and kill lines will be connected to the well head below the blind rams on the blowout preventer. Any gas encountered will be flared at the end of the blowout line, and roughly checked for volume thru a 2" line after the pipe rams have been closed. A float valve will be used in the bottom drill collar at all times. A prognosis of the well is attached.

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 H. Ron Guigley TITLE V. Pres. Oil & Gas Oper. DATE July 27, 1980

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W.P. Montau TITLE FOR E. W. GUYNN DATE OCT 23 1980
 DISTRICT ENGINEER

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

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

NOTICE OF APPROVAL

Utah Oil & Gas Production Facilities and Flowline NOT Approved

United States Department of the Interior
 Geological Survey
 2000 Administration Building
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name N. P. Energy Federal # 30-3
 Project Type Development Gas Test
 Project Location ²⁰⁹²~~2029~~' FEL 1940' FSL, Sec. 30, T20S, R22E, Grand County, Utah
 Date Project Submitted July 29, 1980

FIELD INSPECTION Date September 3, 1980

Field Inspection

Participants	<u>Glenn M. Doyle</u>	<u>U. S. Geological Survey</u>
	<u>Elmer Duncan</u>	<u>Bureau of Land Management</u>
	<u>Robert Bench</u>	<u>Operator</u>
	<u>Leonard Lewis</u>	<u>Galley Construction</u>

Typing In & Out: 9/24/80

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

September, 1980
 Date Prepared

Glenn M. Doyle
 Environmental Scientist

I concur

10/9/80
 Date

E. W. [Signature]
 District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency			Local and private	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check. - (date)	Meeting (date)	corre- spondence (date)					
1. Public health and safety							6	9-3-80	
2. Unique characteristics					1, 2				
3. Environmentally controversial					2				
4. Uncertain and unknown risks				4					
5. Establishes precedents					1, 2				
6. Cumulatively significant					1, 2				
7. National Register historic places	1 - 9/18/80								
8. Endangered/threatened species	1 - 9/18/80								
9. Violate Federal, State, local, tribal law								✓	3

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Site-Specific Stipulations

- 1) Rotate location 90° clockwise.
- 2) Maintain a 50' buffer zone between location and drainage to the ^{south} west edge.
- 3) Construct diversion ditch on NE side of the pad draining around the east side.
- 4) Chemical toilet used instead of pit toilet.
- 5) Use trash cage.



United States Department of the Interior

IN REPLY REFER TO
3109
(U-603)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

September 12, 1980

Memorandum

To: Oil and Gas Office USGS Conservation Division,
P.O. Box 3768, Grand Junction, Colorado, 81502

From: Area Manager, Grand

Subject: NP Energy Corporation
Federal 30-3
NESE Section 30,T.20S.,R.22E. SLB&M
Grand County, Utah

On September 3, 1980 a representative from this office met with Glenn Doyle, USGS, and Robert Bench agent of the NP Energy Corporation for an inspection of the above referenced location. Subject to the attached conditions, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to NP Energy Corporation.

C. Delano Beckus

Enclosures:(2)
1-Reclamation Procedures
2-Seed Mixture

SEP 15 REC'D

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 24 hours prior to beginning construction of access road and pad.

Stockpile the surface 12" of topsoil in a wind-row one-half on the northeast quadrant and one-half on the northwest quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash bin will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM and USGS publication).

If production is obtained, all production facilities will be painted "desert tan" or a similar color approved by the Grand Resource Area Manager.

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination:

New Access Road

- 1) The 100 feet of road will have an 18 foot wide travel surface with borrow ditches on each side. A 4"-6" center crown will be maintained, and low water crossings will be made at each drainage.

Location

- 1) The location and rig layout will be rotated 90 degrees clockwise. This will put the reserve pit and blooey pit in solid cut. This reserve pit will be 100 feet long by 16 feet wide by 8 feet deep.
- 2) Pad size will be reduced in the north-south from 175 feet wide to 147 feet wide. Between the drill hole and the south border of the location will be 60 feet. A 55 foot buffer zone of undisturbed ground surface will be left between the south pad border and a wash that parallels the south side of the pad.

- 3) Access to the pad will be changed from the northeast corner to the north side.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.

3. Water bar roads where required by this office.

* 2%	Grade	-	200 ft. intervals
2-4%	Grade	-	100 ft. intervals
4-5%	Grade	-	75 ft. intervals
5%	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.

4. Seed roads and pads in the fall (Oct. through mid-Dec.).

SEED MIXTURE

Species

Pounds per Acre

Grass

Hilaria jamesii	Curley grass	1
Oryzopsis hymenoides	Indian rice grass	1
Sporobolus airoides	alkali secaton	1

Forbs

Sphaeralcea coccinea	Globemallow	1
----------------------	-------------	---

Browse

Atriplex confertifolia	Shadscale	$\frac{1}{5}$
------------------------	-----------	---------------

1. Inform this office before beginning work.

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH
TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

Glenn

LEASE NO. U-12702

OPERATOR: N. P. Energy WELL NO. Federal # 30-3

LOCATION: SW 1/4 NW 1/4 E 1/2 sec. 30, T. 20, R. 22E, SLM
Grand County, Utah

1. Stratigraphy: Operator tops seem reasonable

Mancos	surface		
Dakota	2020'		
Cedar Mtn	2095'	Curtis	2720'
Brushy Basin	2180'	Entrada	2760'
Salt Wash	2440'	<u>TD</u>	<u>2875'</u>

2. Fresh Water:

Possible to 500' in SS beds within the Mancos

3. Leasable Minerals:

Possible coal in the Dakota although, if it exists, it will be thin & lenticular.

4. Additional Logs Needed: Include a log of cuttings through the Dakota for possible coal identification.

5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature: Gregory W. Wood

Date: 8 - 7 - 80

Glenn

N. P. Energy
-205-22E

Memorandum

To: District Oil and Gas Engineer, Mr. Edward Guynn

From: Mining, Supervisor, Mr. Jackson W. Moffitt

Subject: Application for Permit to Drill (form 9-331c) Federal oil and gas lease No. U-12702 Well No. 30-3

1. The location appears potentially valuable for:

- strip mining*
- underground mining**
- has no known potential.

2. The proposed area is

- under a Federal lease for _____ under the jurisdiction of this office.
- not under a Federal lease under the jurisdiction of this office.
- Please request the operator to furnish resistivity, density, Gamma-Ray, or other appropriate electric logs covering all formations containing potentially valuable minerals subject to the Mineral Leasing Act of 1920.

*If location has strip mining potential:

Surface casing should be set to at least 50 feet below the lowest strip minable zone at _____ and cemented to surface. Upon abandonment, a 300-foot cement plug should be set immediately below the base of the minable zone.

**If location has underground mining potential:

The minable zones should be isolated with cement from a point 100 feet below the formation to 100 feet above the formation. Water-bearing horizons should be cemented in like manner. Except for salines or water-bearing horizons with potential for mixing aquifers, a depth of 4,000 feet has been deemed the lowest limit for cementing.

Signed Allen J. Vance

AUG 21 RECD

** FILE NOTATIONS **

DATE: July 31, 1980
OPERATOR: N.P. Energy Corp.
WELL NO: Leak # 30-3
Location: Sec. 30 T. 20S R. 22E County: Grand

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

API Number 43-019-30676

CHECKED BY:
Petroleum Engineer: M.G. Munder 8-7-80

Director: _____

Administrative Aide: _____

APPROVAL LETTER:
Bond Required: Survey Plat Required:
Order No. 102-16B 11/15/79 O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site
Lease Designation Leak Plotted on Map
Approval Letter Written
Hot Line P.I.

August 11, 1980

N. P. Energy Corporation
57 West South Temple
Suite 320
Salt Lake City, Utah 84101

RE: Well No. Federal #13-2, Sec. 13, T. 20S, R. 21E, Grand County,
Well No. Federal #30-3, Sec. 30, T. 20S, R. 22E, Grand County,

Insofar as this office is concerned, approval to drill the above referred to gas wells are hereby granted in accordance with the Order issued in Cause No. 102-16B dated November 15, 1979.

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

MICHAEL T. MINDER - Petroleum Engineer
HOME: 876-3001
OFFICE: 533-5771

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 these forms 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 numbers assigned to these wells are Federal #13-2: 43-019-30673,
Federal #30-3: 43-019-30676.

Sincerely,

DIVISION OF OIL, GAS AND MINING"

Michael T. Minder
Petroleum Engineer

/bh

cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

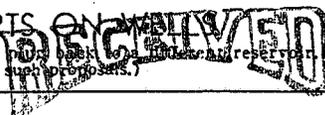
Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-12702

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS
(Do not use this form for proposals to drill or to deepen or to change the character of a well. Use "APPLICATION FOR PERMIT" for such proposals.)



1. OIL WELL GAS WELL OTHER DRY HOLE

DEC 04 1980

2. NAME OF OPERATOR
N P ENERGY CORPORATION

3. ADDRESS OF OPERATOR
SUITE 320, 57 WEST SOUTH TEMPLE, SALT LAKE COUNTY, UT. DIVISION OF

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
NW. SE. SECTION 30, T 20S, R 22E, SLM.
2092' FR. E-LINE AND 1940' FR. S-LINE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
#30-3

10. FIELD AND POOL, OR WILDCAT
CISCO DOME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW. SE. SEC. 30-20S-22E.
SLM

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GRD: 4995', K.B: 5005'

12. COUNTY OR PARISH 13. STATE
GRAND UTAH

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

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)
PULL OR ALTER CASING
MULTIPLE COMPLETE
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)
REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(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.)*

The subject well was drilled to a depth of 2700', which was about 35 ft. below the top of the Entrada formation. No commercial amounts of gas or oil were encountered in the well, so it is planned to abandon the well in the following manner:

- A. Fill the hole with 100 viscosity mud (9#/gal) (Hole size 6 3/4")
- B. Place cement plugs as follows:

- Plug #1: 2700' to 2500', 30 sks cement, at bottom of hole
- Plug #2: 2400' to 2200', 30 sks cement, top of Salt Wash
- Plug #3: 2050' to 1850', 30 sks cement, top of Dakota
- Plug #4: 300' to 100', 30 sks cement, bottom of casing
- Plug #5: 10' to 0', 10 sks cement, top of casing with well marker

Location will be cleaned, recontoured, and pits filled in as soon as possible.

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

SIGNED

W. Don Gugler

TITLE VICE-PRESIDENT

DATE NOVEMBER 6, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 12-17-80

BY:

W. J. Menden

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN

(See other instructions on reverse side)

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

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 _____

2. NAME OF OPERATOR
N P ENERGY CORPORATION

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
SUITE 320, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH

At surface NW. SE. SECTION 30, T 20S, R 22E, SLM.

At top prod. interval reported below

At total depth 2092' FR. E-LINE AND 1940' FR. S-LINE

14. PERMIT NO. 43-019-30676 DATE ISSUED 8-7-80

15. DATE SPUDDED 10-31-80 16. DATE T.D. REACHED 11-3-80 17. DATE COMPL. (Ready to prod.) 11-3-80 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4995' GRD: 5005' KB

20. TOTAL DEPTH, MD & TVD 2700' 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-2700'

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

26. TYPE ELECTRIC AND OTHER LOGS RUN DUAL-INDUCTION-SFL; GAMMA-DENSITY-CNL

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24.00	210'	11"	85 sks	NONE
			6 3/4"		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

31. PERFORATION RECORD

RECEIVED
NONE
DEC 04 1980

33.* DIVISION OF PRODUCTION OIL GAS & MINING

DATE FIRST PRODUCTION NONE

WELL STATUS (Producing or shut-in) P & A

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
NONE							

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 NONE

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

SIGNED W. Row Gingles TITLE VICE-PRESIDENT DATE NOVEMBER 29, 80

*(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) and 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.)

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
DAKOTA	1960'				
CEDAR MT.	2050'				
MORRISON	2110'				
SALT WASH	2280'				
CURTIS-SUM-					
MERVILLE	2615'				
ENTRADA	2665'				

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

25

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 GAS WELL OTHER

2. NAME OF OPERATOR
N P ENERGY CORPORATION

3. ADDRESS OF OPERATOR
SUITE 320, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UT.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
NW. SE. SECTION 30 T 20 S, R 22E, SLM
2092' FR. E-LINE AND 1940' FR. S-LINE

14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GRD: 4995', K.B.: 5005'

5. LEASE DESIGNATION AND SERIAL NO.
U-12702

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
FEDERAL

9. WELL NO.
#30-3

10. FIELD AND POOL, OR WILDCAT
CISCO DOME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NW. SE. SEC. 30-20S-22E.
SLM

12. COUNTY OR PARISH 13. STATE
GRAND UTAH

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 checked="" 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"/>	

(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.)*

SUBJECT WELL WAS PLUGGED AND ABANDONED ACCORDING TO THE PLAN SUBMITTED, DATED NOVEMBER 6, 1980. SURFACE HAS BEEN CLEANED, RECONTOURED; AND PITS FILLED-IN.

RECEIVED

DEC 04 1980

DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct
SIGNED H. Don Gungley TITLE VICE-PRESIDENT DATE NOVEMBER 29, 1980

(This space for Federal or State office use)
APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side.