

Approval to Drill Terminated 8-1-78 (S.D.)
8-3-78 Verbal approval granted to drill Barbara
2-13, before Petro-let #1 was drilled, A. Wilson

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed

Location Inspected

OW..... WW..... TA.....

Bond released

GW..... OS..... PA.....

State or Fee Land

LOGS FILED

Driller's Log.....

Electric Logs (No.)

B..... I..... Dual I Lat..... GR-N..... Micro.....

BHC Sonic GR..... Lat..... MI-L..... Sonic.....

CBLog..... CCLog..... Others.....

17 April 1978

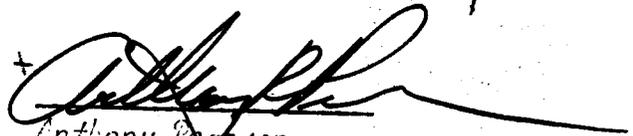
Mr. Edgar W. Guynn
District Engineer
United States Geological Survey
8400 Federal Building
Salt Lake City, Utah 84138

Re: Barbara #2-13, SW $\frac{1}{4}$
NW $\frac{1}{4}$, sec. 13, T20S,
R23E, SLB&M, Grand
County, Utah.

Dear Mr. Guynn:

Herewith, in triplicate, is the Application for Permit to Drill for the above referenced well.

Sincerely yours,



Anthony Pearson
President, Petro-Vest
International, Inc.

Encl.
cc: Mr. Patrick Driscoll

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
 Petro-Vest, Inc.

3. ADDRESS OF OPERATOR
 Petro-Vest, Inc., 2070 Busi. Ctr. Dr., Suite 130, Irvine, CA

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 1650' ENL 92775
 330' FWL
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 8 miles North of Cisco, Utah

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

16. NO. OF ACRES IN LEASE
 240

17. NO. OF ACRES ASSIGNED TO THIS WELL
 160

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

19. PROPOSED DEPTH
 2300'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4680 GR

22. APPROX. DATE WORK WILL START*
 30 May 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7"	17 lbs. (new)	200 ft.	40 sx Class-G Circulate
6 7/4"	4 7/2"	10.5 lbs. "	2300 ft.	50 sx Dowell PFC

Surface formation - Marcos shale.

Estimated Tops - Dakota (1350') gas expected.
 - Morrison (1550') gas expected.
 - Entrada (1950') gas expected.

Pressure Control equipment - schematic attached showing BOP, kill lines, check valves and pressure ratings, seven point plan attached.

Logging - Compensated density neutron; induction, gamma-ray.

No abnormal pressures, temperatures, or potential hazards are expected/

Operations will take approximately 10 days.

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.

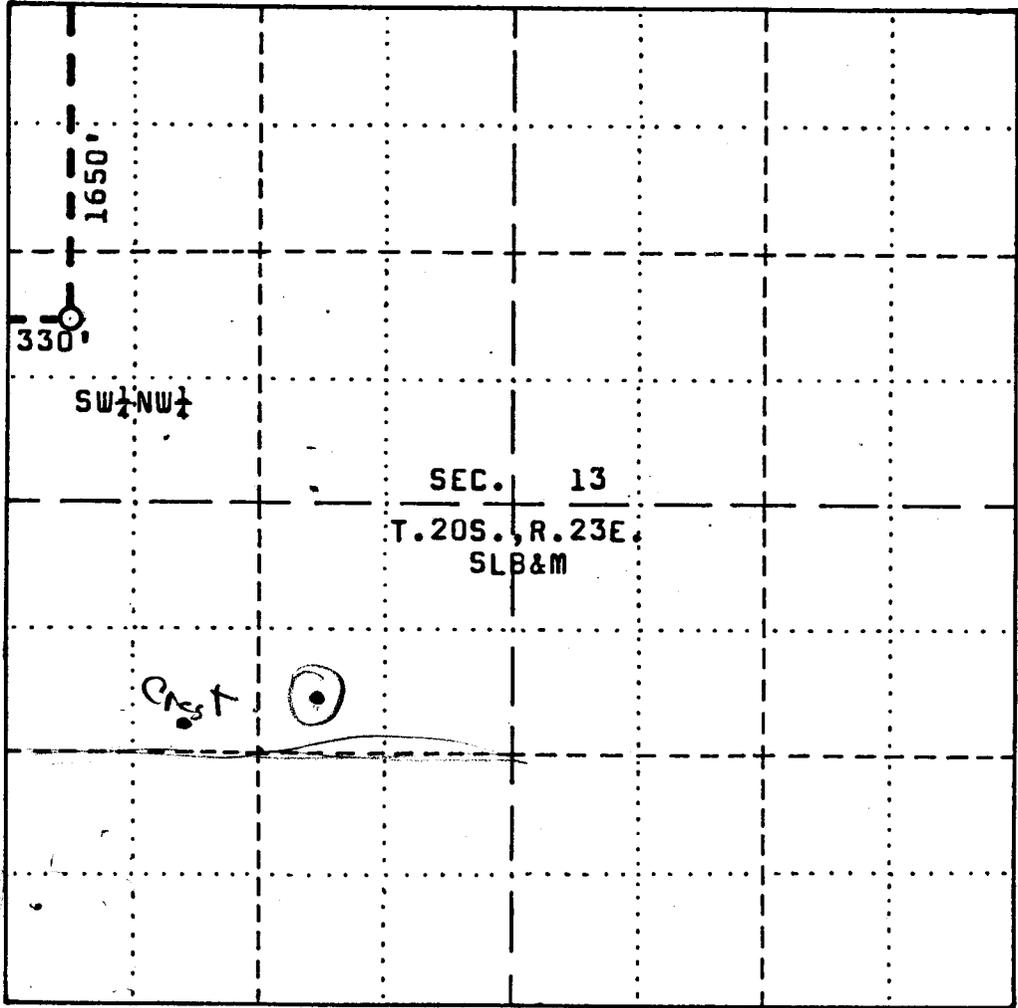
24. SIGNED [Signature] Operator DATE May 21 1978

(This space for Federal or State office use)

PERMIT NO. 43-09-30440 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



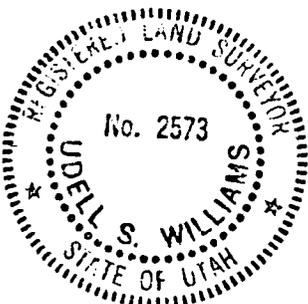
SCALE: 1" = 1000'

PETROVEST NO. 13-2

Located South 1650 feet from the North boundary and East 330 feet from the West boundary of Section 13, T.20S., R.23E., SLB&M.

Elev. 4680

Grand County, Utah



SURVEYOR'S CERTIFICATE

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

Udell S. Williams
UTAH R.L.S. NO. 2573



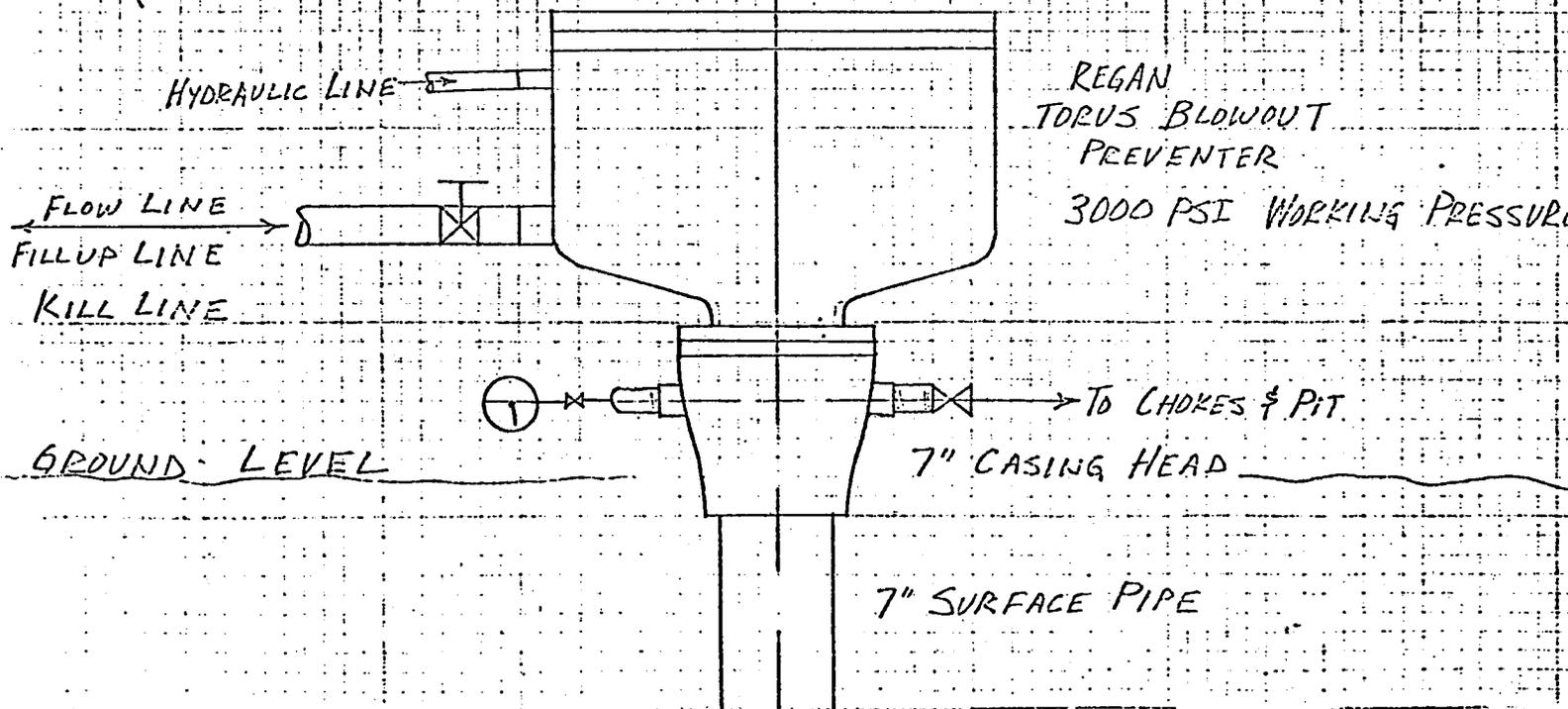
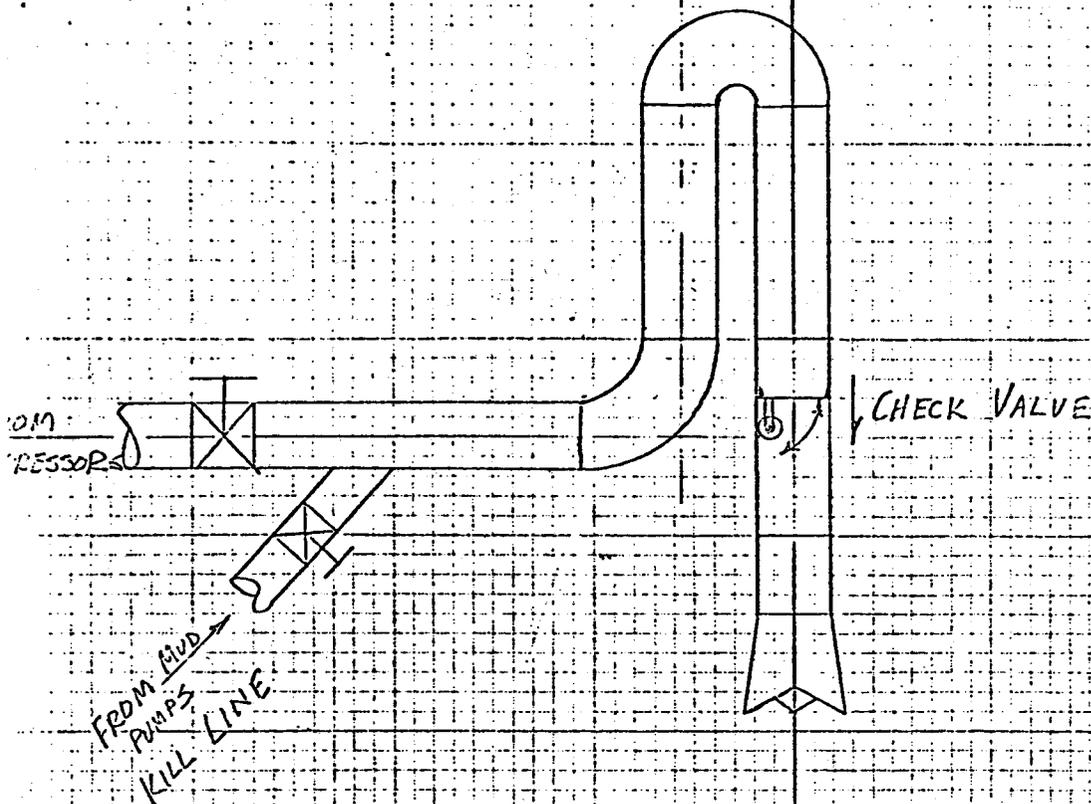
UDELL S. WILLIAMS
751 Rood Avenue
GRAND JUNCTION, COLORADO 81501

PLAT OF
PROPOSED LOCATION
PETROVEST #13-2
SW 1/4 NW 1/4 SEC, 13
T20S, R23E, SLB&M

SURVEYED BY: **USW** DATE: **4/21/78**
DRAWN BY: **USW** DATE: **4/29/78**

PRESSURE MONITORING AND CONTROL DATA SEVEN POINT PLAN

1. Surface casing - set at 200 ft.
 - a. size - 7"
 - b. grade - H40, used tested to 3000 psig.
 - c. length - range 2
 - d. weight - 17 lbs.
2. Casing Heads -
series 600 - 1500 psi working pressure
3. Production casing -
 - a. size - 4 $\frac{1}{2}$ "
 - b. grade - H40, new, tested to 3000 lbs. psig
 - c. length - range 3
 - d. weight - 10.5 lbs.
4. Pressure Control:
Regan torus BOP
Series 600 - tested to 3000 psig
Rams - one size fits all - even blind
Will use fill, kill and choke lines
5. Auxiliary pressure control -
 - a. kelly cocks
 - b. check valve at bit
 - c. monitoring equipment on mud system
 - d. a sub on floor with a full opening valve to be stabbed into drill pipe when kelly is out of string.
6. Anticipated bottom hole pressure - 920 psig.
7. Type of drilling fluid -
Air will be used until gas is encountered.
At that point a polymer mud will be used with brine as the fluid and weighting agent (10-2 lbs. per gal.). Baryte will be used as an additional weighting agent, if needed. 3000 gallons of brine will be on the site along with 5 sacks of polymer.



MULTI-POINT SURFACE USE AND OPERATIONS PLAN

1. Existing Roads:

- A. Location is approximately 8 miles from Cisco, Utah. To reach the proposed location from Cisco, highway 6&50, east is taken to the junction of I-70, at which point the route going under the overpass is taken. The unimproved dirt road (shown in orange on map) begins. This road is taken to the point (as shown on map) begins approximately $\frac{1}{4}$ mile from the highway 6&50 exit.
- B. If needed, the existing unimproved dirt road will be leveled.

2. Planned Access Roads:

- A. Width of the planned access road will be 15 to 18 ft.
- B. Maximum grade will be 3%.
- C. No turnouts prior to the site will be made.
- D. No drainage designs are contemplated.
- E. No culverts or major cuts and fills will be needed.
- F. Surfacing material will be the native soil.
- G. No gates, cattleguards, or fence cuts will be needed.

3. Location of Existing Wells:

(See attached map)

4. Location of Existing and/or Proposed Facilities:

- A. No tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, disposal lines within a one mile radius are owned or controlled by lessee/operator.
- B. In the event of production (oil) storage containers will be placed on a gravel base on the drilling location. If commercial gas is encountered necessary pipelines will be applied for at that time. Fences will be used to protect livestock and wildlife from any potential dangers from production facilities.
- C. All disturbed area that are not needed for production after construction operations will be smoothly contoured.

5. Location and Type of Water Supply:

- A. Brine and fresh water will be obtained in Moab, Utah and hauled by water truck over the route described in para. 1.
- B. No water well will be drilled.

6. Source of Construction Materials:

- A. No construction materials will be obtained from Federal or Indian Land.
- B. Gravel needed in the production set-up will be obtained from a private source.
- C. The access road (blue print on map) will cross Federal land.

7. Methods for Handling Waste Disposal:

- A. Cuttings will be blown into a dirt disposal pit.
- B. Drilling fluids will be transported in the steel tanks to another location or if too highly contaminated dumped into the disposal pit.
- C. Produced fluids (oil & water) will be kept in mud tanks until the fluid becomes too highly contaminated at which time they will be channeled into the disposal pit.
- D. Sewage will be disposed of in a mobil toilet facility.
- E. Garbage and other waste material will be contained in bags or cans and periodically hauled from the site.
- F. Well site will be completely cleaned of debris and unnecessary equipment after rig moves.

8. Ancillary Facilities:

No camps or airstrips will be constructed.

9. Well Site Layout:

- A. Pits will be unlined.
- B. See attached plat for site layout.

10. Plans for Restoration of Surface:

Site will be leveled and contoured. It is requested no reseedin~~g~~ of the site re required.

11. Other Information:

- A. Site location is in an area of very sparse vegetation growth with sagebrush and grasses predominating. Soil is raw Mancos shale. Site location is in a relatively flat area. Coyotes, prairie dogs, and rabbits are found in the area.
- B. Surface ownership of all involved land is Federal. Other surface use activities consists entirely of livestock grazing.
- C. Water is found at Cisco Springs approximately 3 miles west. No dwellings, archeological, historical or cultural sites are in the area.

12. Lessee's or operator's representative:

* Name -

* Address -

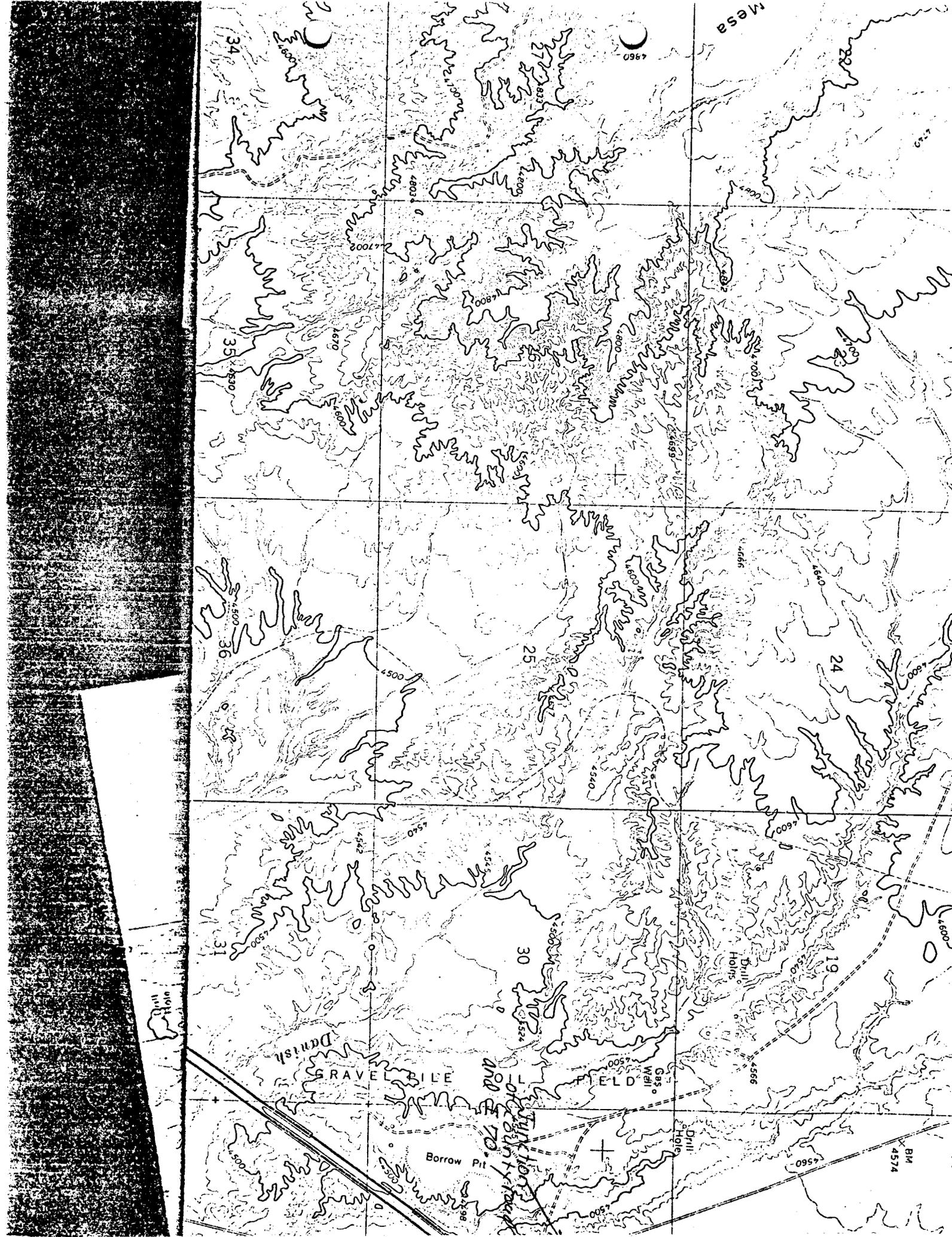
* Phone number -

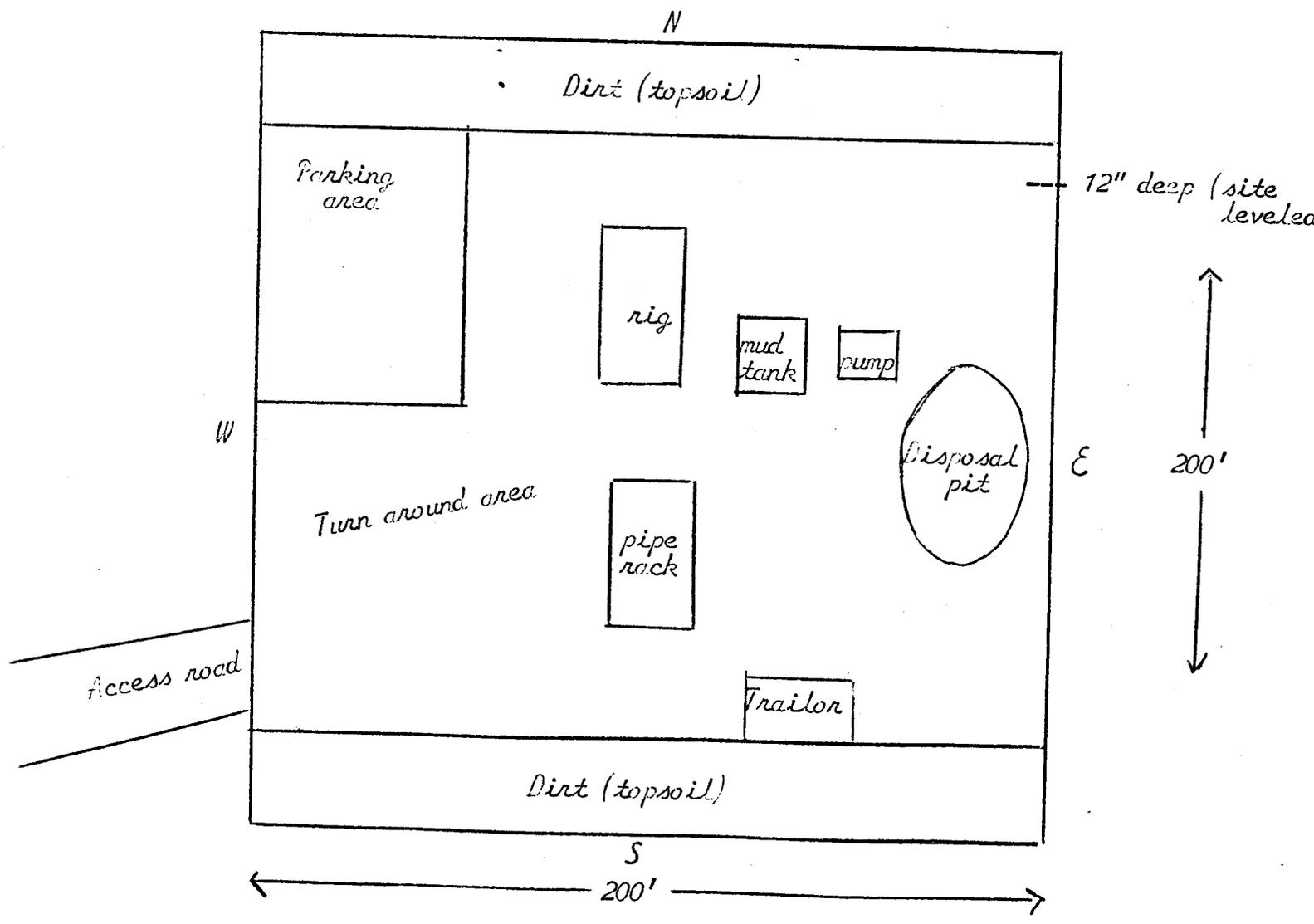
13. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dave Iles Const. Co. and Stan Stoner Drilling Co. and their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

* 3/2/78
Date

Cathy Iles
Name and Title
President





SLM

FROM : DISTRICT GEOLOGIST SALT LAKE CITY, UTAH

TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 0148171

OPERATOR: Petro-Vest Inc

WELL NO. 2-13

LOCATION: NW 1/4 SW 1/4 NW 1/4 sec. 13, T. 20 S, R. 23 E, SLM

Grand County, Utah

1. Stratigraphy:

APD adequate

2. Fresh Water: probably none

3. Leasable Minerals: probably only gas as indicated on APD

4. Additional Logs Needed: none

5. Potential Geologic Hazards: none expected

6. References and Remarks:

Signature: [Handwritten Signature]

Date: 7 - 10 - 78

USUAL ENVIRONMENTAL ANALYSIS

Operator: Petro-Vest, Inc. Well Name & No.: Barbara # 2-13

Location: 1650' F N L & 330' F W L Section 13, 20S 23E

County: Grand State: Utah Lease No.: U-0148171

Field: Cisco Springs Unit: _____ Well Type: Gas

Date Inspected: July 10, 1978

Inspector(s): Howard Lemm

Title(s): Petroleum Engineer

Prepared by: Howard Lemm

Billings, Montana

Other Agencies or Representative Concurrence:

Rock Gurnutt BLM Yes

Major Federal Action Under NEPA No

*Banner @ Loc protect drainage
lined pits*

NOTED JOHN T. EVANS, JR.
7-31-78
R

A working agreement has been reached with the Bureau of Land Management ,
the controlling surface agency . Rehabilitation plans would be
decided upon as the well neared completion; the Surface Management Agency
would be consulted for technical expertise on those arrangements. Written
concurrence of the surface managing agency is on file.

Environmental considerations of this proposed action have been categorized
into six parameters. These are: geology, soils, air, water, fauna and flora,
and socio-economics and land use.

The following is a breakdown of these parameters with emphasis given to
those considerations of special significance to this proposed action.

Geology:

Regional Physiography: The area is essentially flat, as is the location.

Surface Geology: Mancos shale

Potential Producing Zones and Depth: Dakota-1350'; Morrison
-1550'; Entrada-1950'

Major Geologic Hazards: None

Seismic Risk: Minor

Other Mineral Development in Area: There is no other development
besides oil and gas.

Soils:

Soil is made up of decomposed Mancos shale.

Air:

Meteorology:

Temperature Extremes: -15⁰F to 110⁰F

Annual Precipitation: 8" to 10"

Wind: South-west to north-east

Toxic or noxious gases that may be encountered: None
are expected.

Air Quality:

During the life of the project, but primarily during the drillings, dust levels and exhaust pollutants would increase. It is not expected that any long lasting, detrimental reduction in overall air quality would result from the proposed action.

Water:

Nearest Permanent Water or Significant Drainage: Cisco Springs
is approximately 3 miles to the west.

Water Wells in Area: None in the immediate area.

The potential for spills, leaks, and related accidents would be present. However, a berm will be used to prevent spill-related damages in situations where drainages border the location. The pits will be unlined while drilling. If the well is producer, and water disposal is involved, the operator must apply under USGS regulation NTL-2B for approval of whatever method he chooses for disposal of the produced water.

The operator's NTL-6 10-Point Subsurface and 13-Point Surface Protection Plans contain further information on protection of both the surface and subsurface waters of the area.

Fauna and Flora:

Area Wildlife: Coyotes, rabbits, small rodents, and various
desert birds.

Vegetation: Consist of scattered sagebrush and native grasses.

Known Endangered and/or Threatened Species of Plants or Animals:
None are known to exist in this area, and the Bureau of Land
Management gave clearance to this location.

Animals and vegetation of the area would be disturbed for the life of the project. If the project was to produce hydrocarbons, adjustments in habitat occupancy would be expected. No significant disturbance of nesting and/or breeding areas and migration routes is expected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Socio-Economics and Land Use:

Nearest Town and Direction: Cisco, Utah is 8 miles to the south.

Nearest Dwellings and Direction: Location at Cisco, Utah.

Wellsite Location in Reference to Existing Production: _____

c 1400' to NE

Significant Area Historical, Cultural or Archaeological Sites: None
are known to exist in the area.

Archaeological Inspection and Clearance from: _____

Primary Land Use: Periodic livestock grazing.

Area of Wellpad Disturbance: Approximately 1 acre.

Area of Access Road Disturbance: 0.2 miles of new access will be
needed. It will be 18Ft. wide.

Estimated Cut and Fill: No cut or fill is anticipated.

Area of Disturbance for Additional Producing or Treating Facilities,
(if producer): No additional disturbance will be necessary.

Parks, wildlife refuges or other formally designated recreation
Facilities in area: There are none in the area.

Method of Solid Waste Disposal: Solid wastes will be hauled away to
a disposal site.

The economic and environmental impact of a single well is normally somewhat negligible. But should this well discover a significant new hydrocarbon source, local, state, and possibly national economies might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

The proposed location is within the Book Mountain Planning Unit (07). This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The EAR is on file in the agency's State offices and is incorporated herein by reference.

Alternatives to the Proposed Action:

Alternate locations, with due consideration given to environmental factors, were examined. No viable, alternate sites could be selected that were within the legal boundaries of the lease. To not allow surface occupancy is the only other alternative.

Unavoidable Adverse Environmental Effect of the Proposed Action:

Surface scars resulting from construction work to the wellpad and access road would be visible for the life of the project and for a period of time after abandonment until rehabilitation is completed. The disturbed areas would not be available for farming or grazing purposes during the project's lifetime. Relocation of area wildlife would be anticipated. Possibilities for spills and resultant erosion would exist, and a certain amount of air pollution from dust and exhaust fumes would also occur, as would an increase in noise levels. However, it is not anticipated that any of these adverse effects would cause a significant, lasting degradation of the environment.

Controversial Issues and Conservation Division Responses:

None received

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102 (2) (c).

District Engineer:
Salt Lake City, Utah

Copy

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

575
NW SW NW

** FILE NOTATIONS **

Date: May 3, 1978

Operator: Petro-Vest International, Inc.

Well No: Barbara 2-13

Location: Sec. 13 T. 205 R. 23E County: Grand

File Prepared:
Card Indexed:

Entered on N.I.D.:
Completion Sheet:

API NUMBER: B-019-30440

CHECKED BY:

Administrative Assistant [Signature]

Remarks:

Petroleum Engineer [Signature]

Remarks:

Director [Signature]

Remarks:

~~2000'~~ Petro-vest Crest 13-1 -
However, exception
letter written by
Crest ~~minimum~~ 500' by
distance

INCLUDE WITHIN APPROVAL LETTER:

Bond Required: [Signature]

Survey Plat Required:

Order No. 102-5

Surface Casing Change
to _____

Rule C-3(c), Topographic exception/company owns or controls acreage
within a 660' radius of proposed site

O.K. Rule C-3

O.K. In _____ Unit

Other:

Letter Written/Approved



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771
May 8, 1978

I. DANIEL STEWART
Chairman

CHARLES R. HENDERSON
JOHN L. BELL
THADIS W. BOX
C. RAY JUVELIN

CLEON B. FEIGHT
Director

Petro-Vest Inc.
2070 Busi. Ctr. Dr.
Suite 130
Irvine, California 92715

Re: Well No. Barbara #2-13
Sec. 13, T. 20 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
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.

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 43-019-30440.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director

cc: U.S. Geological Survey

Petrovest International

2070 Business Center Drive, Suite 130
Irvine, California 92715
(714) 955-0920

5 June 1978

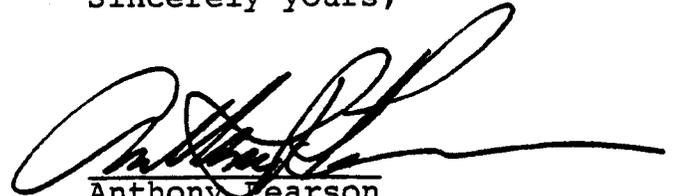
Mr. Edgar W. Gynn
District Engineer
United States Geological Survey
8400 Federal Building
Salt Lake City, Utah 84138

Re: Barbara #2-13, SW $\frac{1}{4}$
NW $\frac{1}{4}$ sec. 13, T20S
R23E, SLB&M, Grand
County, Utah

Dear Mr. Gynn:

Herewith, in triplicate, is the Application for Permit
to Drill for the above referenced well.

Sincerely yours,



Anthony Pearson
President, Petro-Vest
International, Inc.

Encl.

cc: Mr. Patrick Driscoll



PRESSURE MONITORING AND CONTROL DATA SEVEN POINT PLAN

1. Surface casing - set at 200 ft.
 - a. size - 7"
 - b. grade - 1140, used tested to 3000 psig.
 - c. length - range 2
 - d. weight- 17 lbs.
2. Casing Heads -
series 600 - 1500 psi working pressure
3. Production casing -
 - a. size - 4½"
 - b. grade - H40, new, tested to 3000 lbs. psig
 - c. length - range 3
 - d. weight - 10.5 lbs.
4. Pressure Control:
Regan torus BOP
Series 600 - tested to 3000 psig
Rams - one size fits all - even blind
Will use fill, kill and choke lines
5. Auxiliary pressure control -
 - a. kelly cocks
 - b. check valve at bit
 - c. monitoring equipment on mud system
 - d. a sub on floor with a full opening valve to be stabbed into drill pipe when kelly is out of string.
6. Anticipated bottom hole pressure - 920 psig.
7. Type of drilling fluid -
Air will be used until gas is encountered.
At that point a polymer mud will be used with brine as the fluid and weighting agent (10-2 lbs. per gal.). Baryte will be used as an additional weighting agent, if needed. 3000 gallons of brine will be on the site along with 5 sacks of polymer.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

1. Existing Roads:

- A. Location is approximately 8 miles from Cisco, Utah. To reach the proposed location from Cisco, highway 6&50, east is taken to the junction of I-70, at which point the route going under the overpass is taken. The unimproved dirt road (shown in orange on map) begins. This road is taken to the point (as shown on map) begins approximately $\frac{1}{4}$ mile from the highway 6&50 exit.
- B. If needed, the existing unimproved dirt road will be leveled.

2. Planned Access Roads:

- A. Width of the planned access road will be 15 to 18 ft.
- B. Maximum grade will be 3%.
- C. No turnouts prior to the site will be made.
- D. No drainage designs are contemplated.
- E. No culverts or major cuts and fills will be needed.
- F. Surfacing material will be the native soil.
- G. No gates, cattleguards, or fence cuts will be needed.
- H. See attached map.

3. Location of Existing Wells:

(See attached map)

4. Location of Existing and/or Proposed Facilities:

- A. No tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, disposal lines within a one mile radius are owned or controlled by lessee/operator.
- B. In the event of production (oil) storage containers will be placed on a gravel base on the drilling location. If commercial gas is encountered necessary pipelines will be applied for at that time. Fences will be used to protect livestock and wildlife from any potential dangers from production facilities.
- C. All disturbed area that are not needed for production after construction operations will be smoothly contoured.

5. Location and Type of Water Supply:

- A. Brine and fresh water will be obtained in Moab, Utah and hauled by water truck over the route described in para. 1.
- B. No water well will be drilled.

6. Source of Construction Materials:

- A. No construction materials will be obtained from Federal or Indian Land.
- B. Gravel needed in the production set-up will be obtained from a private source.
- C. The access road (blue print on map) will cross Federal land.

7. Methods for Handling Waste Disposal:

- A. Cuttings will be blown into a dirt disposal pit.
- B. Drilling fluids will be transported in the steel tanks to another location or if too highly contaminated dumped into the disposal pit.
- C. Produced fluids (oil & water) will be kept in mud tanks until the fluid becomes too highly contaminated at which time they will be channeled into the disposal pit.
- D. Sewage will be disposed of in a mobile toilet facility.
- E. Garbage and other waste material will be contained in bags or cans and periodically hauled from the site.
- F. Well site will be completely cleaned of debris and unnecessary equipment after rig moves.

8. Ancillary Facilities:

No camps or airstrips will be constructed.

9. Well Site Layout:

- A. Pits will be unlined and will work with filed representatives from uses and/or BLM for additional needs.
- B. See attached plat for site layout and detailed explanation.

10. Plans for Restoration of Surface:

1. Back filling leveling, etc. --we will back fill and level to contour of land before drilling.

11. Other Information:

- A. Site location is in an area of very sparse vegetation growth with sagebrush and grasses predominating. Soil is raw Mancos shale. Site location is in a relatively flat area. Couotes, prairie dogs, and rabbits are found in the area.
- B. Surface ownership of all involved land is Federal. Other surface use activites consists entirely of livestock grazing.
- C. Water is found at Cisco Springs approximately 3 miles west. No dwellings, artheological, historical or cultural sites are in the area.

12. Lessee's or operator's representative:

Name - Anthony R. Pearson

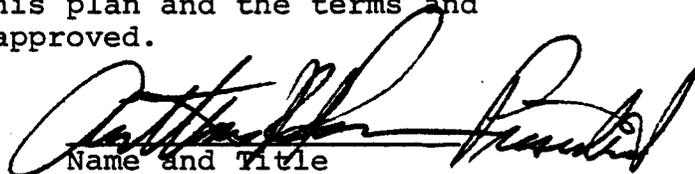
Address - 2070 Business Center Drive, Suite 130 Irvine, CA92715

Phone Number - (714) 955-0920

13. Certification:

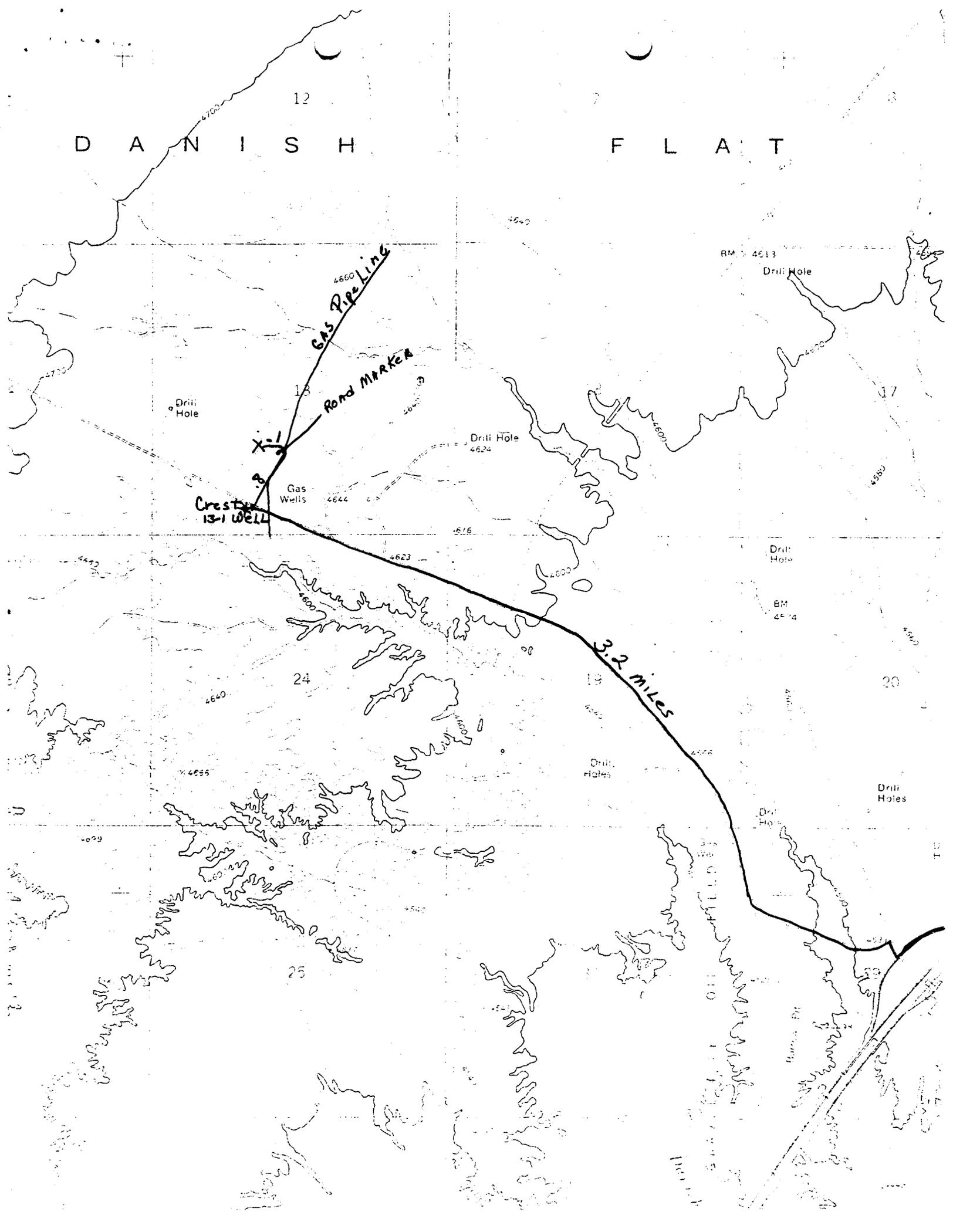
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dave Iles Const. Co. and Stan Starner Drilling Co. and their contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

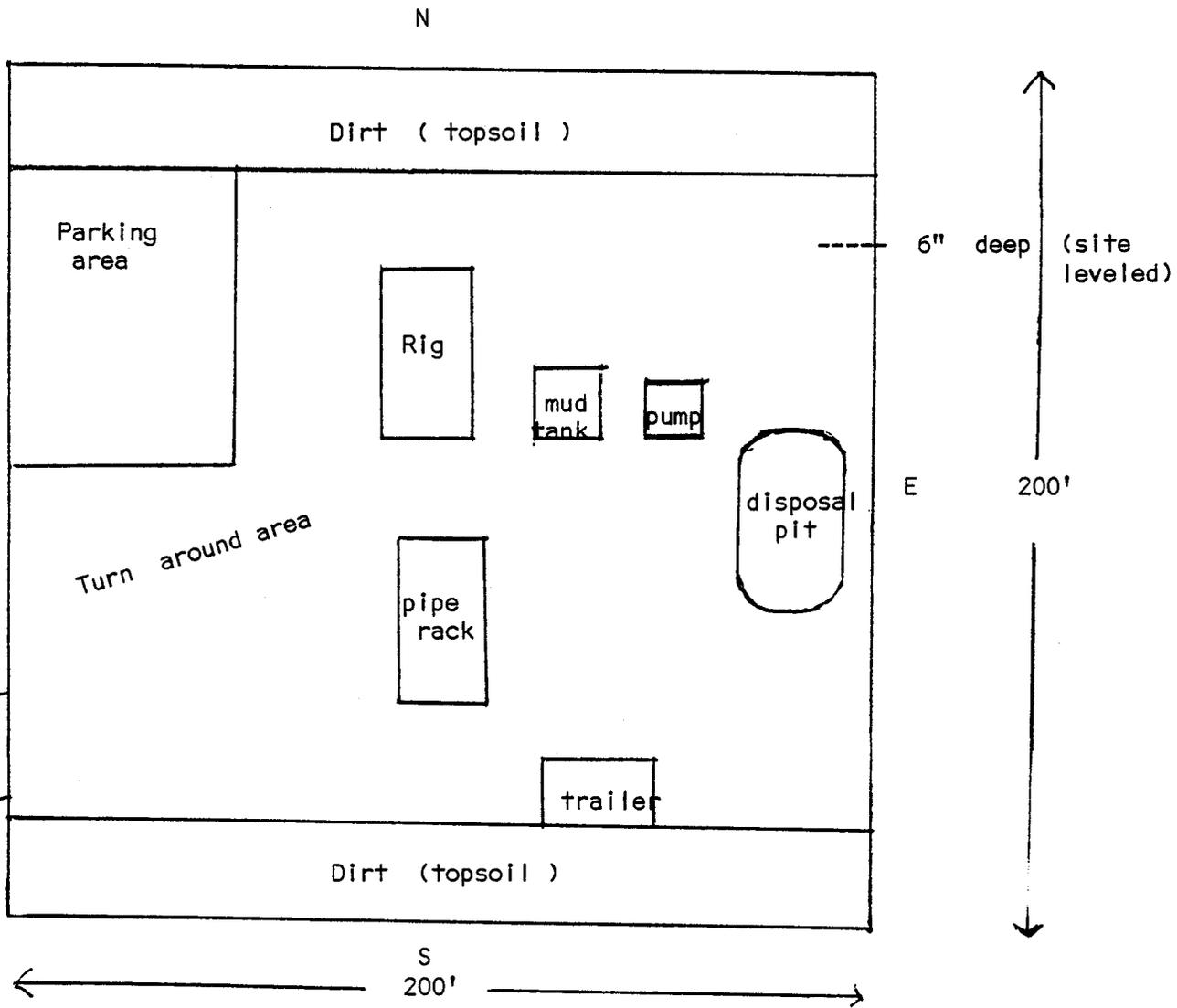
6/3/78


Name and Title

D A N I S H

F L A T

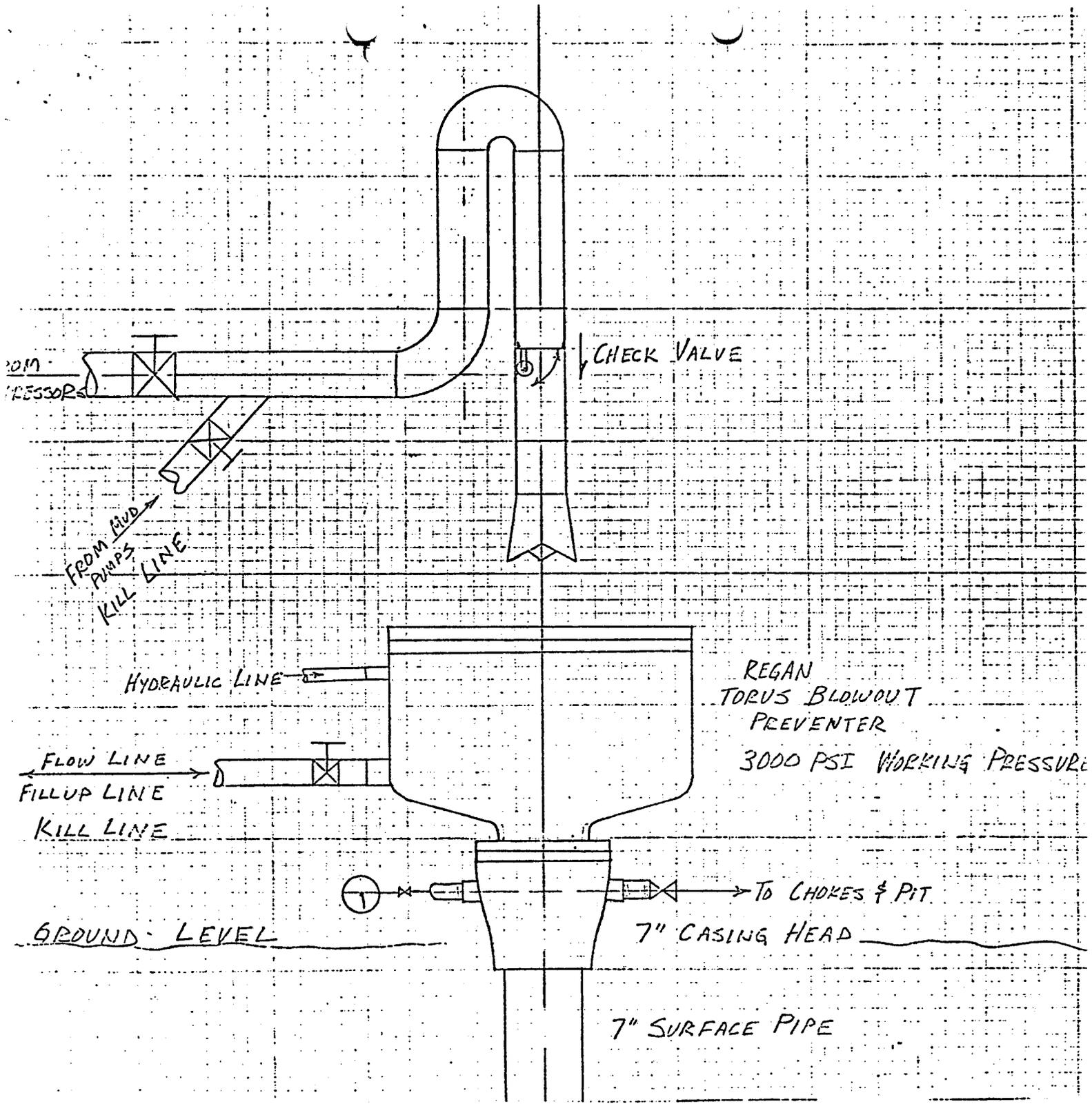




No cuts required-- just blade top soil flat and stock pile.
 Pit to be 20' X 25' X 4' deep

PRESSURE MONITORING AND CONTROL DATA SEVEN POINT PLAN

1. Surface casing - set at 200 ft.
 - a. size - 7"
 - b. grade - 1140, used tested to 3000 psig.
 - c. length - range 2
 - d. weight- 17 lbs.
2. Casing Heads -
series 600 - 1500 psi working pressure
3. Production casing -
 - a. size - 4½"
 - b. grade - H40, new, tested to 3000 lbs. psig
 - c. length - range 3
 - d. weight - 10.5 lbs.
4. Pressure Control:
Regan torus BOP
Series 600 - tested to 3000 psig
Rams - one size fits all - even blind
Will use fill, kill and choke lines
5. Auxiliary pressure control -
 - a. kelly cocks
 - b. check valve at bit
 - c. monitoring equipment on mud system
 - d. a sub on floor with a full opening valve to be stabbed into drill pipe when kelly is out of string.
6. Anticipated bottom hole pressure - 920 psig.
7. Type of drilling fluid -
Air will be used until gas is encountered.
At that point a polymer mud will be used with brine as the fluid and weighting agent (10-2 lbs. per gal.). Baryte will be used as an additional weighting agent, if needed. 3000 gallons of brine will be on the site along with 5 sacks of polymer.



20M PRESSORS

CHECK VALVE

FROM MUD PUMPS
KILL LINE

HYDRAULIC LINE

REGAN
TORUS BLOWOUT
PREVENTER
3000 PSI WORKING PRESSURE

FLOW LINE
FILLUP LINE
KILL LINE

GROUND LEVEL

TO CHOKE & PIT
7" CASING HEAD

7" SURFACE PIPE

August 1, 1978

Petrovest International
2070 Business Center Drive
Irvine, California 92715

Re: Well No. Petro-Let #1
Sec. 13, T 20 S, R. 23 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the Order issued in Cause No. 102-5. However, in order to maintain the 160-acre spacing pattern for gas, your Barbara 2-13 well, located 1650' FNL & 330' FWL, of Section 13, may not be drilled. Consequently, approval for the 2-13 granted you on May 8, 1978 by this office is hereby terminated.

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

PATRICK L. DRISCOLL - Chief Petroleum Engineer
HOME: 582-7247
OFFICE: 533-5771

Enclosed please find Form OGC-8-M, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

Further, it is requested that this office 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 43-019-30457.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

CLEON B. FEIGHT
Director



United States Department of the Interior

IN REPLY REFER TO
3100
(U-603)

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

December 6, 1979

Memorandum

To: District Engineer, USGS Conservation Division,
Salt Lake City, Utah
From: Area Manager, Grand
Subject: Petrovest International
Petro-Let #1, Lease U-0148171-A
NE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 13.
T. 20 S., R. 23 E., SLB&M
Grand County, Utah

On October 18, 1979 a representative from this office made an inspection of the above referenced location. Rehabilitation is:

(Unsatisfactory)

Reasons (Unsatisfactory):

1. No rehabilitation attempt has been made.
2. Topsoil was not stockpiled.
3. No dry hole marker on the location.
4. Mouse hole and rat hole are still open.
5. Pits have not been backfilled and are not fenced.
6. Trash and garbage is present all over the location.

The company has totally ignored the surface use plan for this location. We request that the operator be notified of this situation and some effort be made to correct the problem by no later than March 31, 1980.

RECEIVED

DEC 20 1979

DIVISION OF
OIL, GAS & MINING



Greg R. Dawson
Acting

Save Energy and You Serve America!

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

CERTIFIED RECEIPT REQUESTED

December 14, 1978

Petro-vest International
International Business Center
2070 International Business Drive
Suite 130
Irvine, CA 92715

Gentlemen:

Re: Oil and Gas Lease U-0148171-A

We have not yet received the reports checked below pertaining to
your well No. Petro-let #1 located in NE 1/4 NW 1/4
sec. 13, T. 20S, R. 23E, Grand
County, Utah.

Form 9-329, "Lessee's Monthly Report of Operations",
months of _____

Form 9-331, "Notice of Intention to Abandon"

(3 copies)

xxx

Form 9-331, "Subsequent Report of Abandonment"

(3 copies)

xxx

Form 9-330, "Well Completion Report and Log" covering
all drilling operations. (2 copies)

xxx

Geologic logs (30 CFR 221.59 requires that duplicate
copies of all types of wire line logs, sample logs,
drilling time logs and other well surveys must be
filed.) (2 copies)

Please submit these delinquent reports to this office immediately.

Sincerely yours,

(Orig. Sgd.) E. W. Gynn

E. W. Gynn
District Engineer

RECEIVED

DEC 20 1978

DIVISION OF
OIL, GAS & MINING

Conservation Division
8440 Federal Building
Salt Lake City, Utah 84138

January 16, 1979

Petrovest International
2070 Business Center Drive
Suite 130
Irvine, California 92715

- Re: (1) Petrolet #1 NE NW
(2) Barbara #2-13 SW NW
Section 13, T.20S., R.23E.
Grand County, Utah
Lease U-0148171-A

Gentlemen:

This letter will acknowledge your Well Completion or Recompletion Reports and Log; Form 9-330, for the referenced wells. Reviewing the reports disclosed certain items were improperly completed or omitted entirely. Section 4 should reflect footage of the well location instead of quarter quarter, section, township and range. All dates, abbreviations, and depths must be complete and appropriate. Sections 37 and 38 on the reverse side of the completion report must be completed.

One item of interest to be clarified is the size of the surface casing and the depth at which it was set. For the Petrolet #1, the Application for Permit to Drill called for 7" casing to be set at 200 feet, the Oral to Abandon dated September 19, 1978 reflected 7-5/8" casing was set at 185', and the completion report showed 8-3/4" casing at 200 feet. The same situation applies to the Barbara #2-13.

The Well Completion or Recompletion Reports and Log, Form 9-330, are to be resubmitted with the information requested and a clarification of the size of the surface casing and the depth set.

If you need further information and explanation do not hesitate to contact this office. Your cooperation in this matter is appreciated.

Sincerely yours,

(ORIG. SGD.) E. W. GYNN

E. W. Gynn
District Engineer DIVISION OF
OIL, GAS & MINING

bcc: O&GS, NRMA, Casper
Well Files (2)

RAH:ch

U-0148171-R
TELECON to ANTHONY R.
PEARSON #714-955-0920
NOT IN WILL CALL BACK

1) NO REPT'S SUBMITTED

2) LOCATIONS LEFT IN A MESS

3) OUR CORRESPONDENCE BEING
IGNORED.

4) SURFACE MANAGEMENT people complaining
5-6-79 ANTHONY CALLED. HE
SAID HE WOULD CONTACT ROSS
JACOBS OR LYNN COLLINS THEY WERE
SUPPOSE TO BE HANDLING THE PERMITS
ON THESE WELLS. HE WILL CORRECT
THE PAPER WORK PROBLEMS.

5-6-79 NOTIFIED BLM IN MORB
ON THIS. See

REC-111

DEC 20 1979

DIVISION OF
OIL, GAS & MINING

U.

Conservation Division
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

December 17, 1979

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Petrovest International
2070 Business Center Drive, Ste. 130
Irvine, California 92715

Re: Petro-Let #1 & #2-13 Barbara
Sec. 13, T. 20S., R. 23E.,
Grand County, Utah
Lease #U-0148171-A

Gentlemen:

Attached is a letter from the Bureau of Land Management concerning the rehabilitation work on (1) of the referenced sites that still has not been completed. We have nothing in our files to indicate that either well has been plugged and rehabilitated.

On December 14, 1978, a letter was sent to you by "Certified Mail" requesting that the required forms be submitted (See attached).

On January 16, 1979, a letter was sent to you requesting that your Well Completion Reports on both of these wells be resubmitted and completed properly (See attached).

On May 6, 1979, Dee Dearth of this office called Mr. Anthony R. Pearson requesting that these (2) locations be cleaned up and the paper work problems corrected. Mr. Pearson stated that he would contact Ross Jacobs or Lynn Collins as they were to handle the rehabilitation at these wells (See attached).

To our knowledge we have not had any compliance and since your company has elected to completely ignore our request, we are notifying you that Lease #U-148171-A is in jeopardy.

You are to have these (2) locations cleaned up and the required paper work submitted by February 1, 1980. Failure to comply will result in assessments for non-compliance, Lease shut-in orders, cancellations, bond forfeiture and other actions prescribed in the Oil and Gas Operating Regulations.

RECEIVED

DEC 20 1979

DIVISION OF
OIL, GAS & MINING

If you have any questions, please contact this office.

Sincerely yours,

(ORIG. SGD.) E. W. GUYNN

E. W. Guynn
District Engineer

Attachments

- (1) BLM ltr. dtd. 12-6-79
- (2) USGS ltr. dtd. 12-14-78
- (3) USGS ltr. dtd. 1-16-79
- (4) Telecon notes dtd. 5-6-79

cc: BLM, Moab, Ut
State of Utah, Natural Resources Dept. ✓
Oil, Gas, and Mining Div.
1588 W. North Temple
Salt Lake City, Ut 84116



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

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THADIS W. BOX
CONSTANCE K. LUNDBERG
EDWARD T. BECK
E. STEELE McINTYRE

February 14, 1980

Petrovest International
2070 Business Center Dr., Suite #130
Irvine, Calif. 92715

RE: Well No. Barbara #2-13
Sec. 13, T. 20S, R. 23E,
Grand County, Utah

Gentlemen:

In reference to above mentioned well(s), considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill this well (these wells), please notify this Division. If spudding or any other activity has taken place, please send necessary forms.* If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill this well, and action will be taken to terminate the application. If you plan on drilling this well at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

DEBBIE BEAUREGARD
CLERK-TYPIST

March 18, 1980

Petrovest International
2070 Business Center Dr.
Suite 130
Irvine, California 92715

1-714-9550920

Re: Well No. Barbara #2-13
Sec. 13, T. 20S, R. 23E.
Grand County, Utah

TONY PEARSON

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Janice Tabish

JANICE TABISH
CLERK-TYPIST

TALKED WITH PETROVEST
4-24-80. THEY SAID THEY
WOULD HAVE TONY PEARSON
SEND IN FORMS -

May 9, 1980

Petrovest International
Attn: Tony Pearson
2070 Business Center Drive
Irvine, California 92715

Re: Well No. Barbara 2-13
Sec. 13, T. 20S, R. 23E.
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 5-9-80, from above referred to well, indicates the following electric logs were run: GAMMA NEUTRON/DUAL INDUCTION. As of today's date this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING



JANICE TABISH
CLERK-TYPIST

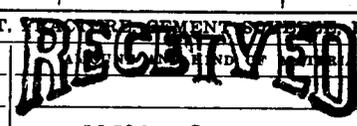
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

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

5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-0148171-A	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR Petrovest International		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR Suite 130 2070 Business Center Drive, Irvine, Ca. 92715		8. FARM OR LEASE NAME Barbara #2-13	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SW $\frac{1}{4}$ NW $\frac{1}{4}$ - Sec. 13, T-20S, R-23E Grand County, Utah At top prod. interval reported below 1650 FNL / 330 - FWL At total depth 2166		9. WELL NO. N/A	
14. PERMIT NO. 43-019-30440		DATE ISSUED Aug 11, 1978	
15. DATE SPUNDED August	16. DATE T.D. REACHED 9/12/78	17. DATE COMPL. (Ready to prod.) N/A	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* P&A-9-12-78 4689 AB GL 4680
20. TOTAL DEPTH, MD & TVD 2184		21. PLUG, BACK T.D., MD & TVD Plug & A Bard	22. IF MULTIPLE COMPL., HOW MANY* →
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* N/A			23. INTERVALS DRILLED BY Rotary Tools Cable Tools Stratmaster
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Neutron/Dual Induction			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Neutron/Dual Induction			27. WAS WELL CORED No
29. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 3/4 7 7/8	17 lbs/ft	200 195 210	9" 8 3/4"
		CEMENTING RECORD	
		40 Sx Class G	
		AMOUNT PULLED	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
N/A			
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)			
N/A			
32. ACID, SHOT, EXPLOSIVE, CEMENT, SPACER, ETC.			
DEPTH INTERVAL (MD)		MATERIAL USED	
N/A			
 MAY 9 1980			
33.* PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		DIVISION OF OIL, GAS & MINING
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD
			→
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.
		→	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS			

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

SIGNED [Signature] TITLE President DATE January 3, 1979

Petrovest Intl

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