

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED GAS ~~WELL~~ REPORT/abd. _____
 * Location Abandoned - Well never drilled 7-22-83

DATE FILED 3-8-83

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-15204 INDIAN _____

DRILLING APPROVED: 3-18-83

SPUDDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: 8530' GR

DATE ABANDONED: 7-22-83 LA

FIELD: ~~WILDCAT~~ 3/86 Indian Creek

UNIT: _____

COUNTY: EMERY

WELL NO. INDIAN CREEK #03176-3 API NO. 43-015-30160

LOCATION 3000 FT. FROM (N) (S) LINE. 100 FT. FROM (E) (W) LINE. NE SE 1/4 - 1/4 SEC. 3

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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17S	6E	3	VORTT EXPLORATION CO.
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VORTT EXPLORATION COMPANY, INC.

OIL AND GAS

(817) 244-4201
P. O. Box 26089

2728 LAREDO DRIVE
FORT WORTH, TEXAS 76116

March 9, 1983

RECEIVED
MAR 14 1983

UTAH STATE DIVISION
Oil - Gas & Mining
2441 State Office Building
Salt Lake City, Utah 84114

DIVISION OF
OIL, GAS & MINING

RE: Application to drill
Well No. 03176-3
Sec. 3-T17S-R6E
Emery County, Utah

Gentlemen:

Enclosed, please find our Application for Permit to drill along with other pertinent information.

This well is located on Federal land in our Indian Creek Unit and will be our fourth well to be drilled.

Tentatively, we propose to start drilling operations in early Summer pending approval from all agencies.

We will appreciate your favorable consideration for this request.

Yours truly,

VORTT EXPLORATION COMPANY, INC.



Larry Watts
Project Manager

LW/ck

encl. as stated

9

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
 VORIT EXPLORATION COMPANY, INC.

3. ADDRESS OF OPERATOR
 P. O. BOX 26089, Fort Worth, Texas 76116

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 100' FEL & 3000' FNL
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 13 miles west of Huntington, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 10,510' FWL of Unit Boundary

16. NO. OF ACRES IN LEASE
 2382.74

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 None

19. PROPOSED DEPTH
 6,950'

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)
 8530' G.L.

22. APPROX. DATE WORK WILL START*
 June 1, 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-15204

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 INDIAN CREEK

8. FARM OR LEASE NAME

9. WELL NO.
 03176-3

10. FIELD AND POOL, OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 10, T17S, R6E
 SLB & M

12. COUNTY OR PARISH
 Emery

13. STATE
 Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94	100'	200 sx class B
17½"	13 3/8"	54.5	500'	375 sx class B
11"	8 5/8"	24	2500'	450 sx 65/35 Pozmix
7 7/8"	5 ½"	1.5½	6100'	350 sx 50/50 Pozmix
4 ½"	3 ½"	9.2	6950'	30 sx 50/50 pozmix

- PROCEDURE:
1. Drill 26" hole to 100' & set 100' of 20" conductor pipe & curculate cement to surface.
 2. Drill 17½" hole to 500' & set 500' of 13 3/8" casing & cement into place w/375 sx cls B.
 3. Drill 11" hole to 2500' & set 2500' of 8 5/8" casing & cement into place w/ 450 sx 65/35 pozmix.
 4. Drill 7 7/8" hole to 6100' & set 6100' of 5½" casing & cement into place w/350 sx 50/50 pozmix.
 5. Drill 4½" hole to 6950' & set 6950' of 3½" casing & cement into place w/30 sx 50/50 pozmix.

- EXHIBITS:
- A. Ten point compliance program of NTL.6
 - B. Multi point surface use plan.
 - C. Map "A" - existing roads.
 - D. Well site layout.
 - E. Map "B" showing existing well locations
 - F. Blow out procedure
 - G. Equipment layout

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 Larry Waitts TITLE Project Manager
 LARRY WAITTS

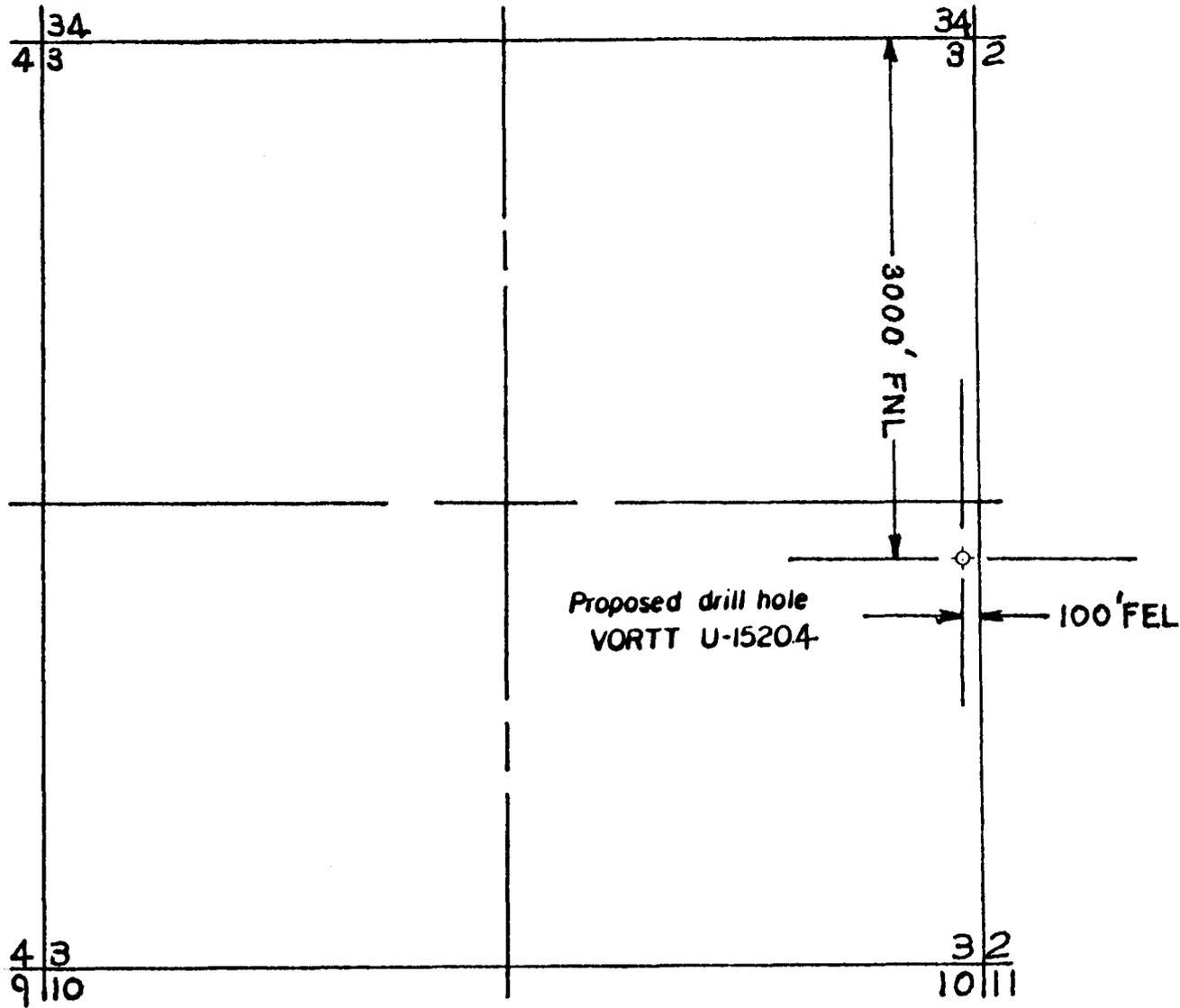
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 3-18-83
 BY: [Signature]



SECTION	TOWNSHIP	RANGE	SURVEY FOR	
3	17 S	6 E	VORTT EXPLORATION COMPANY INC.	
DATE	SCALE	BLOCK	2728 LAREDO DRIVE	
3-83	1"=1000'		FORT WORTH, TEXAS - 76116	
PLAN	SURVEY			

INDIAN CREEK UNIT
EMERY COUNTY, UTAH

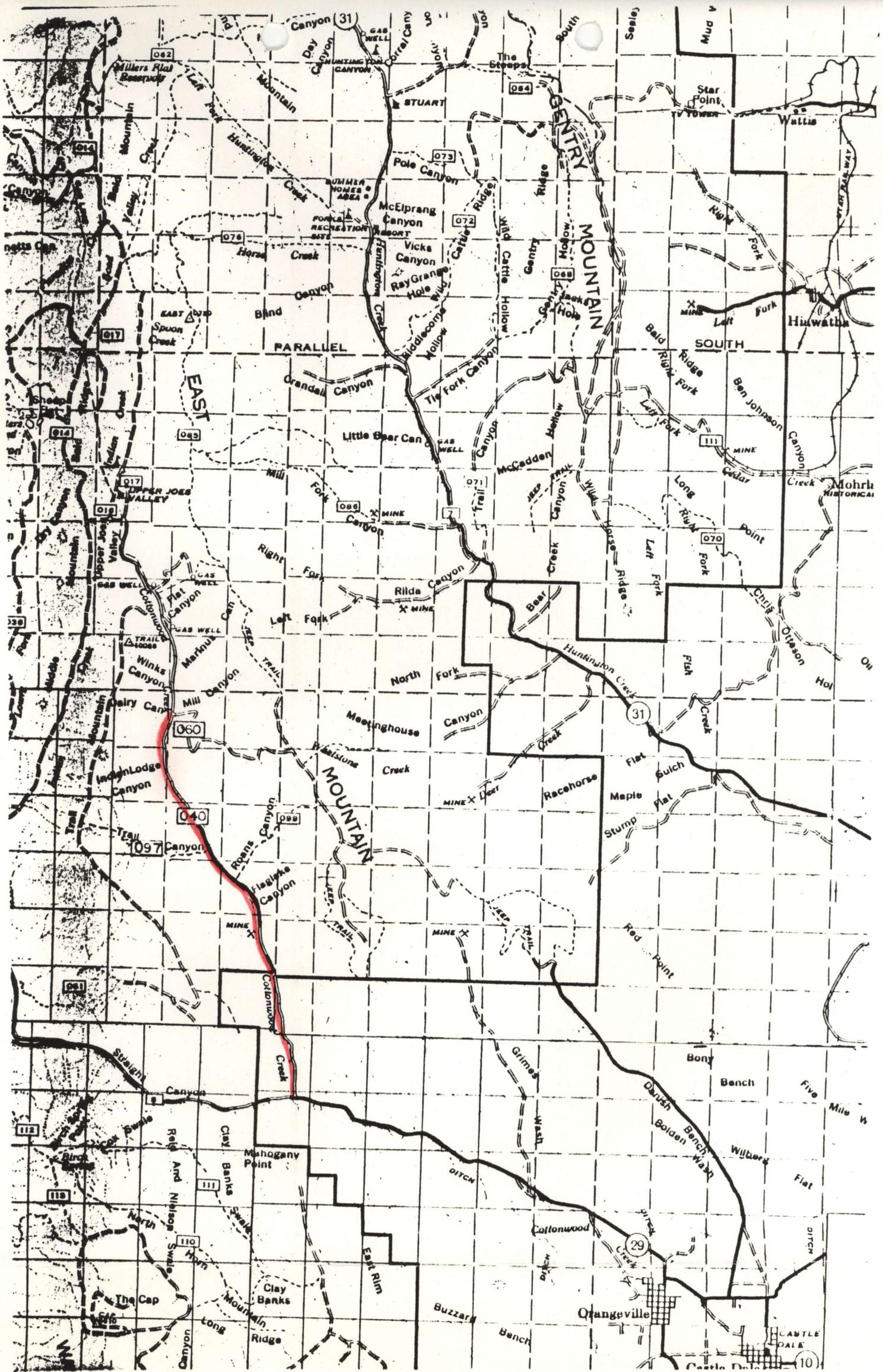


EXHIBIT "C"

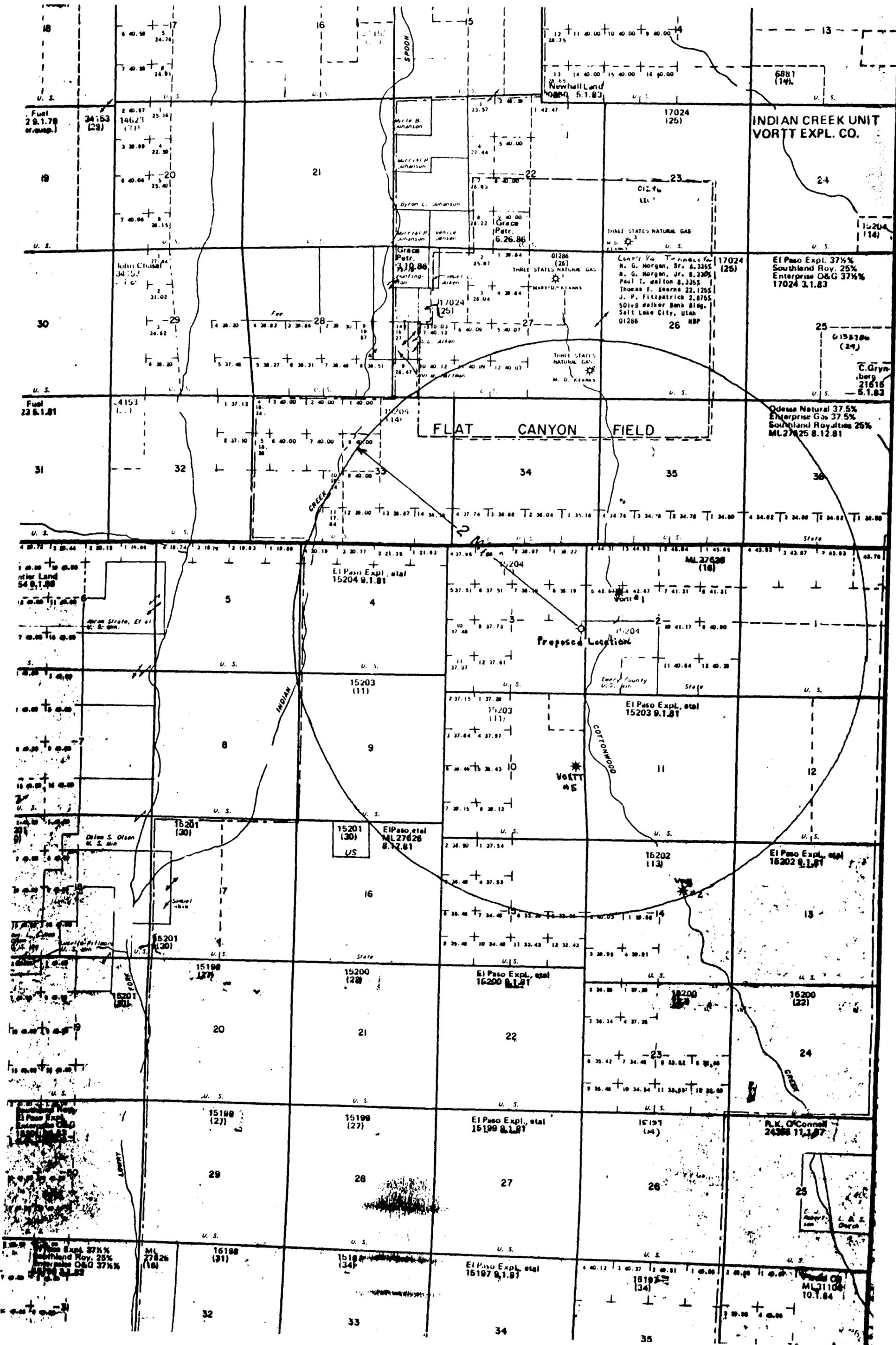
MAP A

EXISTING ROADS

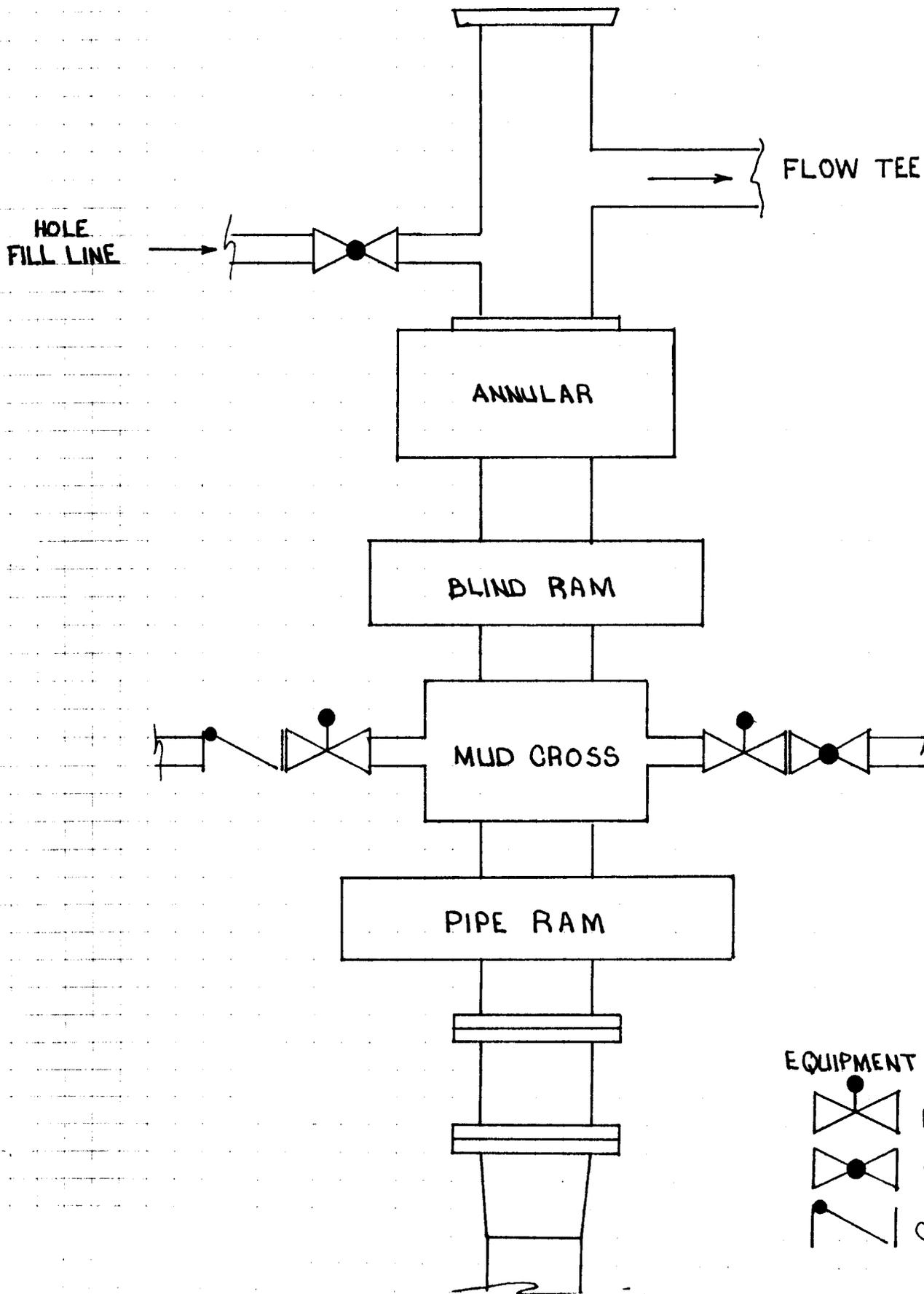
VORTT EXPLORATION COMPANY, INC.
 INDIAN CREEK UNIT
 EMERY COUNTY, UTAH

EXHIBIT "E"
MAP "B"
EXISTING WELL LOCATIONS

VORTT EXPLORATION CO., INC.
INDIAN CREEK UNIT
EMERY COUNTY, UTAH



B.O.P
DIAGRAM



VORTT EXPLORATION COMPANY, INC.

OIL AND GAS

(817) 244-4201
P. O. Box 26089

2728 LAREDO DRIVE
FORT WORTH, TEXAS 76118

EXHIBIT "A"

TEN-POINT COMPLIANCE PROGRAM OF NTL-6

APPROVAL OF OPERATIONS

COMPANY: VORTT EXPLORATION COMPANY, INC.
WELL: INDIAN CREEK WELL NO. 03176-3
WELL LOCATION: Section 3, T17S, R6E
COUNTY: Emery County, Utah

1. GEOLOGICAL SURFACE FORMATION

Blackhawk

2. ESTIMATED IMPORTANT GEOLOGICAL MARKERS

<u>FORMATION</u>	<u>DEPTH</u>
Blackhawk	Surface
Starpoint	1150'
Upper Mancos	2250'
Emery	3450'
Middle Mancos	3700'
Ferron	5600'
Dakota	6750'
TD	6950'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS, OR MINERALS

<u>FORMATION</u>	<u>DEPTH</u>	<u>REMARKS</u>
Blackhawk	100'	Water
Ferron	5600'	Gas
Dakota	6750'	Gas

4. THE PROPOSED CASING PROGRAM

<u>CASING SIZE</u>	<u>LBS/FT</u>	<u>GRADE</u>	<u>COUPLING</u>	<u>DEPTH</u>
20"	94	K-55	Welded	100'
13 3/8"	54.5	K-55	STL	500'
8 5/8"	28	H-40	STL	2500'
5 1/2"	15 1/2	K-55	LTC	6100'
3 1/2"	9.2	J-55	LTC	6950'

5. THE OPERATOR'S MINIMUM SPECIFICATION FOR PRESSURE CONTROL

The blowout preventer system (Diagram Exhibit ("A-1")) to be used consist of:

- 1-10" 3000 PSI Shaffer Spherical
- 1-10" 3000 PSI Shaffer Pipe Ram
- 1-10" 3000 PSI Shaffer Blind Ram
- 1- Koomey Model GU2KB5S Series "C" Control Unit - 3000 PSI Working Pressure
- 1- National 3"x3"---3000 PSI Working Pressure Choke Manifold
- 1- Upper Kelly Cock
- 1- Lower Kelly Cock
- 1- Floor Safety Valve

6. THE TYPE AND CHARACTERISTIC OF THE PROPOSED CIRCULATING MEDIUM

The proposed well will be drilled with air. If water is encountered, we will go to mist drilling or aerated drilling by injection drilling soap into the system. If severe water conditions are encountered in the hole a foam, or fresh water mud with gel for viscosity a barite for weight will be used. The viscosity and weight of such mud will be governed by hole conditions.

7. THE AUXILLARY EQUIPMENT TO BE USED

- a) A kelly cock will be kept in the string
- b) A stabbing valve will be on the floor to be stabbed into the drill pipe when the kelly is not in the string.
- c) A fire stop and fire float will be used near the bit to prevent down-hole fires during air drilling operations.

8. THE TESTING, LOGGING AND CORING PROGRAM TO BE FOLLOWED

- a) A test in the Ferron and Dakota formations. Other zones will be tested as needed.

- b) Dual Induction Log T.D. to 2500'.
Density Neutron Log T.D. to 2500'.
- c) No coring or fracturing is planned, but if test show this treatment beneficial, then a Sundry Notice will be submitted.

9. ANY ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

No abnormal pressures or temperatures have been noted or reported in wells previously drilled in this area, nor at the depths anticipated in this well.

10. THE ANTICIPATED STARTING DATE AND THE DURATION OF THE OPERATIONS

The anticipated starting date will be immediately after approval from all regulatory agencies.

The operations should be completed 45 days after spudding the well.

VORTT EXPLORATION COMPANY, INC.

OIL AND GAS

(817) 244-4201
P. O. Box 26089

2728 LAREDO DRIVE
FORT WORTH, TEXAS 76116

EXHIBIT "B"

MULTI-POINT SURFACE USE PLAN

INDIAN CREEK UNIT, WELL NO. 03176-3

1. EXISTING ROADS

To reach VORTT EXPLORATION COMPANY's Well No. 03176-3 in Section 3, Township 17 South, Range 6 East, Emery County, Utah will be by route of existing Forest Road No. 040 Northward to location approximately 7½ miles from State Road 29. This is the same road used for access to the other three VORTT wells previously drilled. Generally this road is used by cattle operators, campers, hunters and the Southern portion by Coal Company employees. We plan to maintain the road in present condition or better during drilling operations. Frequent grading will be performed as necessary to keep the road in good condition. Refer to Map "A".

2. PLANNED ACCESS ROAD

A new access road will be constructed Eastward to location from the existing Forest Road No. 040 and will not exceed 500 feet in length. The grade of the access road will generally follow the local terrain and will be consistent with Forestry Service Engineering specifications for road work. During construction the access road will be improved with minimum cuts and fills with drainage as required. It will be graveled according to Forest Service regulations. A gate will be installed at the entrance to the well location if the well proves to be commercial.

3. LOCATION OF EXISTING WELLS

This well is to be classed as a development well although no pipe line has been connected to any of the existing wells. Map "B" shows the location of each existing well with the one mile and two mile radius shown. Below are legal description location of each existing well.

02176-1 1538 FNL & 1240 FWL Sec. 2, Township 17S., Range 6E
14176-2 3386 FSL & 1766 FEL Sec. 14, Township 17S., Range 6E
10176-5 2860 FSL & 220 FEL Sec. 10, Township 17S., Range 6E

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Currently, there are no tank batterys, dehydrators, production facilities gathering or service lines in the vicinity of the proposed well.

Should the well prove to be commercial then we propose that a gas gathering line be installed from the North along and near the existing road No. 040 as shown on Map "A". Should condensate be produced from the well a suitable size storage tank will be installed at the well location. All production related equipment with the exception of flow/gathering lines will be located on the well site proper behind security fences. On land that's disturbed and not needed for production facilities it will be rehabilitated according to forest service regulations.

5. LOCATION AND TYPE OF WATER SUPPLY

This well will be drilled with air for the most part reducing requirements for water. Any water used would be brought in by truck or pumped from the water source at Trail Mountain Mine. In any event, only limited quantities of water would be required. No water wells will be drilled or used as a source of water.

6. SOURCE OF CONSTRUCTION MATERIALS

Pit run gravel from a commercial source will be used in the construction of the site location and access road. There will be no usage of construction materials from Federal or State lands except for existing soil materials in the immediate area of the well site and access road. Forest Road No. 040 shown on Map "A" will be used to transport materials to the well site.

7. METHODS OF HANDLING WASTE DISPOSAL

All garbage and trash will be put into an enclosed wire trash container and hauled away on a periodic basis. A Port-A-Potty will be provided for human waste. A reserve pit will be used to contain well cuttings and other drilling fluids produced or man made during the course of the drilling operations. After completion of drilling operations ample time should be allowed for the pit to dry before covering it up. General overall clean up of the well site will be done after conclusion of drilling and completion operations.

8. ANCILLARY FACILITIES

No camps or air strips will be used for this project. However, mobile trailers will be used on the site location for the tool pusher, and well supervisor.

9. WELL SITE LAYOUT

Please refer to the attached plat for site location. Refer to attached site layout to show exact location of drilling facilities, pits, pipe

racks, mobile trailers and soil material stockpiles. All earthen pits will not be lined with any type temporary material.

10. PLANS FOR RESTORATION OF SURFACE

After completion of the project the well site location will be restored as near as possible to original condition by grading and leveling the disturbed area and reseeding will be done in accordance and within the time frame as required by the Forestry Service. Any access roads to be abandoned will be returned to as near as possible to the original condition as practical or left for the use of the Forestry Service if so desired.

11. OTHER INFORMATION

The terrain at the well location is in a canyon surrounded on the East and West by relatively steep mountainous slopes. The area is generally rough country with large rocks and boulders with intermittent sagebrush flats with occasional trees. Location of the drill site is located adjacent to Dairy Creek Canyon which extends westward from the location. Substantial clearing and leveling will be required. The vegetation generally supports the wildlife in the area however no more disturbance than the area consumed by the drill site will not make any negative impact on the wildlife. The soil in the area is mostly derived from degradation of sandstone rock along with minor amounts of limestone. During periodic times through the year there is hunting and camping in the area. There should be little if any adverse effect on either of these activities. There are no human dwellings within several miles of the drill site location. There is an active coal mine located approximately five (5) miles South.

12. OPERATOR'S REPRESENTATIVES

Larry Watts
P.O. Box 26089
Fort Worth, Texas 76116
817/244-4201

Fred S. Reynolds, Jr.
Suite 2908
Fort Worth National Bank Bldg.
Fort Worth, Texas 76102
817/336-1742

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar

with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by VORIT EXPLORATION COMPANY, INC. and its contractors and subcontractors in conformity with this plan and conditions under which it is approved.

3-9-83
DATE

Larry Wallis
NAME
Project Manager
TITLE

EXHIBIT "D"

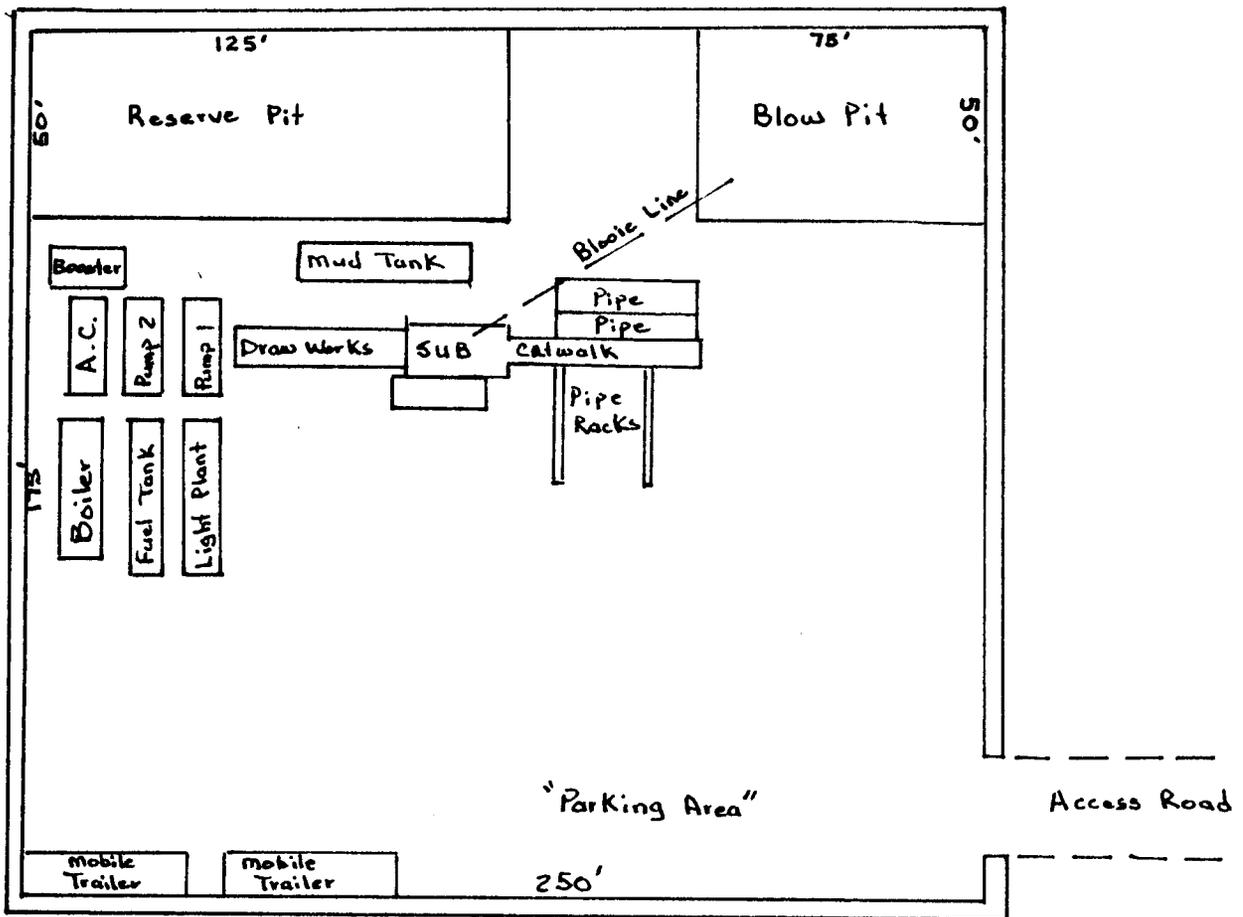
VORIT EXPLORATION CO., INC.

Indian Creek No. 3

Section 3, T17 S R6E

Emery County, Utah

"Equipment Layout"



Scale 1" = 50'

OPERATOR VORTT EXPLORATION CO INC DATE 3-18-83

WELL NAME INDIAN CREEK #03176-3

SEC NWSE 3 T 17S R 6E COUNTY EMERY

43-015-30160
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/>	INDEX	<input checked="" type="checkbox"/>	HL	<input checked="" type="checkbox"/>
<input type="checkbox"/>	NID	<input checked="" type="checkbox"/>	PI	<input type="checkbox"/>
<input type="checkbox"/>	MAP	<input checked="" type="checkbox"/>		<input type="checkbox"/>

PROCESSING COMMENTS:
Surveyer licensed P?

RFF ✓

APPROVAL LETTER:

SPACING: A-3 INDIAN

c-3-b

Cari
Please treat this as
a LA Sunday

SPECIAL LANGUAGE:

Trux
[Signature]
7-29

OPERATOR VORTT EXPLORATION CO INC

DATE 3-18-23

WELL NAME INDIAN CREEK # 03176-3

SEC NESE 3 T 17S R 6E COUNTY EMERY

43-015-30160
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

HL

NID

PI

MAP

PROCESSING COMMENTS:

Surveyor licensed? ?

RJF ✓

APPROVAL LETTER:

SPACING:

A-3 INDIAN CREEK
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT *INDIAN CREEK*

c-3-b

c-3-c

CHECK DISTANCE TO NEAREST WELL.

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

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

March 18, 1983

Vortt Exploration Company, Inc.
P. O. Box 26089
Ft. Worth, Texas 76116

RE: Well No. Indian Creek 03176-3
NESE Sec. 3, T.17S, R.6E
100' PEL, 3000' FNL
Emery County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

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

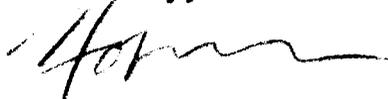
RONALD J. FIRTH - Chief Petroleum Engineer
Office: 533-5771
Home: 571-6068

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

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

The API number assigned to this well is 43-015-30160.

Sincerely,



Norman C. Stout
Administrative Assistant

NS/as
cc: Oil & Gas Operations
Enclosure



VORTT EXPLORATION COMPANY, INC.

OIL AND GAS

(817) 844-4804
P. O. Box 26089

2726 LARRODO DRIVE
FORT WORTH, TEXAS 76226

July 22, 1983

Mr. Norman C. Stout
STATE OF UTAH
Natural Resources and Energy
OIL-GAS-MINING
4241 State Office Bldg.
Salt Lake City, Utah 84114

RE: Application to Drill
Indian Creek Unit
Section 2, Township 17 South
Range 6 East, Emery County, Utah

Dear Mr. Stout:

Please find enclosed our application to drill the above referenced lease. This is a Federal lease located in Emery County, Utah.

Previously we submitted an application to drill in Section 3 T17S R6E in Emery County. (API #43-015-30160) This location was turned down by the Forest Service due to the rough topography. We now wish to cancel that application.

Your consideration to this application will be greatly appreciated.

Yours truly,

VORTT EXPLORATION COMPANY, INC.

Larry Watts
Larry Watts
Project Manager

LW/ck

encl. as stated

INDIAN CREEK # 03176-3
LA

RECEIVED
JUL 27 1983

DIVISION OF
OIL AND GAS MINING