



MIDLAND PARTNERS  
CARLTON BEAL  
CARLTON BEAL, JR.  
BARRY BEAL  
SPENCER BEAL  
KELLY BEAL

DENVER PARTNER  
BARRY BEAL, JR.

BTA OIL PRODUCERS  
104 SOUTH PECOS  
MIDLAND, TEXAS 79701  
AC 915-682-3753

June 2, 1988

ROCKY MOUNTAIN DIVISION  
555-17TH STREET  
SUITE 835  
DENVER, CO 80202  
AC 303-292-9299

RECEIVED  
JUN 6 1988

Re: Application for Exception to R615-3-2  
BTA - 8807 JV-P Havasu, Well No. 1  
1,170' FNL & 1,965' FEL  
Sec. 1, T-38-S, R-23-E  
Wildcat (Desert Creek)  
San Juan County, Utah

DIVISION OF  
OIL, GAS & MINING

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STATE OF UTAH  
Department of Natural Resources  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 W. North Temple  
Salt Lake City, Utah 84180-1203

Gentlemen:

BTA hereby requests administrative approval for an exception to R615-3-2, location and siting of wells, for the above referenced well. We are enclosing three copies of Form 3160-3 and plats.

This exception is required to enable BTA the optimum location for drilling to our target objective formation and due to the rough terrain in the area, as shown on the enclosed topographic map.

BTA's lease includes all of Section 1 and 12 for a total of 1,279.52 acres which includes the required 460 foot radius of the proposed well.

Should you have any questions or need further information for approval of this application, please give me a call.

Sincerely,

*Dorothy Houghton*  
DOROTHY HOUGHTON  
For BTA Oil Producers

DH:ss

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
 BTA OIL PRODUCERS

3. ADDRESS OF OPERATOR  
 104 South Pecos Midland, Texas 797

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface 1170' FNL & 1965' FEL  
 At proposed prod. zone Same  
 NONE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 Miles Southeast from Blanding

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1170

16. NO. OF ACRES IN LEASE 1279.52

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 6100' *Desert Creek*

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5407' GR 5420' RKB

22. APPROX. DATE WORK WILL START\*  
 7/6/88

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	2000'	1500 sx - Circ to Surface
8-3/4"	5-1/2"	15.5#	6100'	1100 sx - Circ to Surface

Mud Program: See EXHIBIT "F"

BOP Equipment: Shaffer LWS 11", 5,000 psi Double hydraulic -  
 See EXHIBIT "G".

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 *Deborah Doughton* TITLE Regulatory Supervisor DATE 6/2/88

(This space for Federal or State office use)

PERMIT NO. 43-037-31435

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

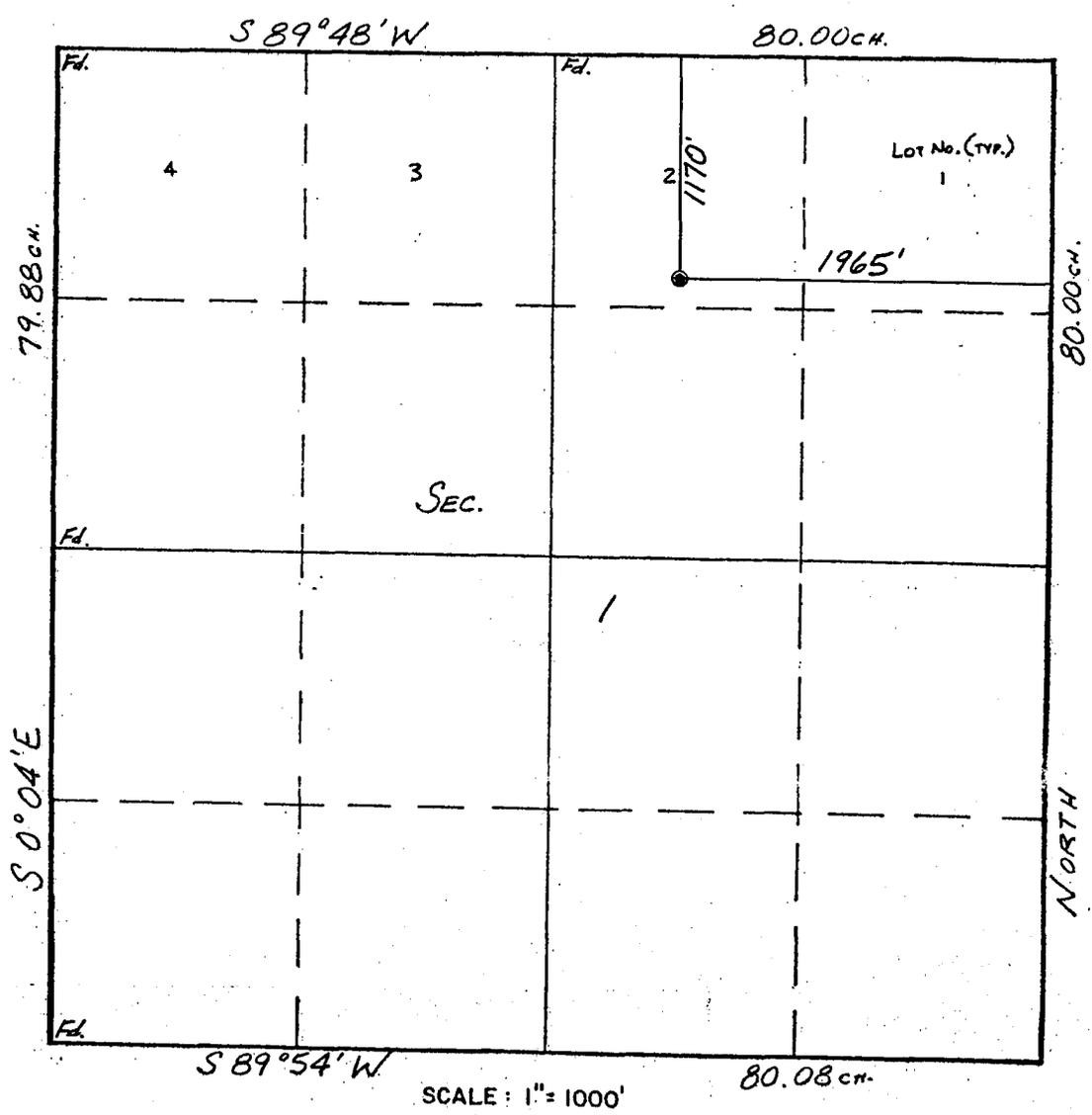
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

DATE 7-6-88  
 BY *John R. Bay*

WELL SPACING: 664-3-3

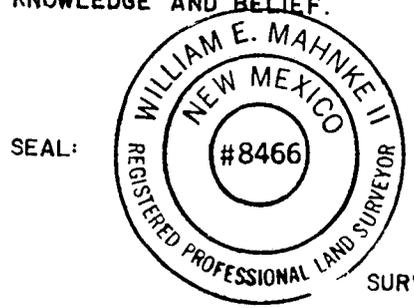
\*See Instructions On Reverse Side

COMPANY BTA OIL PRODUCERS  
 LEASE 8807 J.V-P HAVASU WELL NO. 1  
 SEC. 1, T. 38 S, R. 23 E  
 COUNTY SAN JUAN STATE UTAH  
 LOCATION 1170'FNL & 1965'FEL  
 ELEVATION 5407



SCALE: 1" = 1000'

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.



  
 WILLIAM E. MAHNKE II  
 NEW MEXICO P.L.S. Nº 8466

SURVEYED MAY 28, 19 88

APPLICATION FOR DRILLING

#1 8807 JV-P Havasu  
1,170' FNL and 1,965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan County, Utah

In conjunction with Form 3160-3, Application for Permit to Drill, BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

1. The geologic surface formation is granite rock.
2. The estimated top of geologic marker is as follows:

U. Ismay	5,807'
Desert Creek	6,023'
3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered is unknown.
4. Proposed casing program:

<u>Surface Casing:</u>	Set @ +2,000'
	8-5/8" 24# J55 STC
	Cement with 1500 sx Class -H-
	Circulate to surface

<u>Production Casing:</u>	Set @ 6,100'
	5-1/2" 15.5# K55 LTC
	Cement with 1100 sx Class -H-
	plus additives
	Circulate to surface
5. Pressure Control Equipment: See Form 3160-3 and Exhibit "G".
6. Mud Program: See Exhibit "F".
7. Auxiliary Equipment: Kelly Cock  
Full open stab-in valve
8. Testing, Logging and Coring Program:

Drill Stem Tests:	Two - Ismay
Logging:	GR-CNL-FDC with GR and CNL to surface
Coring:	None
9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: July 6, 1988.

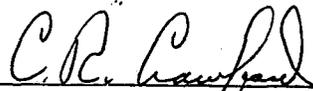
SELF CERTIFICATION  
FOR OPERATORS CONDUCTING OPERATIONS  
ON LEASES WHICH THEY (OPERATORS)  
HAVE AUTHORITY TO CONDUCT OPERATIONS.

I BTA Oil Producers certify that I have authority  
Operator's name

from the Lessees of Record, 1) Coastal Oil & Gas Corporation  
2) HOC 1982 Rockies Oil Program Limited Partnership  
3) Hershey Oil Corporation  
4) Dennis W. Yockim  
5) Lane Lasrich  
6) Robert Grundy

to conduct operations on the \_\_\_\_\_  
Legal description  
NE/4 of Section 1, Township 38 South, Range 23 East,  
San Juan County, Utah

BTA OIL PRODUCERS



Signature  
By: C. R. Crawford  
Title: Manager Land & Legal

Date  
June 2, 1988

Bond coverage under 43 CFR 3104 for lease activities conducted on the  
above named designated operator is under Bond Number 208J474-2

SURFACE USE PLAN

FOR

BTA OIL PRODUCERS  
HAVASU, 8807 JV-P  
WELL NO. 1  
1,170' FNL & 1,965' FEL  
SEC. 1, T-38-S, R-23-E  
SAN JUAN COUNTY, UTAH

LOCATED: 12 miles Southeast of Blanding, Utah

FEDERAL LEASE NUMBER: U-46719

LEASE ISSUED: May 1, 1981, for 10 years

ACRES IN LEASE: 1,279.52

SURFACE OWNERSHIP: Federal

POOL: Wildcat

POOL RULES: 40 Acres

EXHIBITS:

- A. Road Map
- B. Topographic Map
- C. Planned Access Road
- D. Area Map
- E. Drilling Rig Layout
- F. Mud Program
- G. Pressure Control Equipment
- H. Location Grade Scale

## MULTI-POINT SURFACE USE & OPERATIONS PLAN

### BTA Oil Producers

Havasu, 8807 JV-P, Well No. 1  
1,170' FNL and 1,965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan County, Utah

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the referenced well. The plan describes the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance, and the procedures to be followed in rehabilitating the surface after completion of the operation so that complete appraisal can be made concerning the environmental effects associated with the operations.

#### 1. Existing Roads

- A. Exhibit -A- is a map showing the location of the proposed well as staked. The proposed location is approximately 12 miles southeast of Blanding. From Blanding go east and southeast on County Road 206, 12 miles to the access road. Then southeast .1 mile.
- B. Exhibit "B" is a topographic map showing all existing roads and conditions within the immediate area.

#### 2. Access Road

- A. Exhibit "C" is a plat showing the proposed access road.
- B. The proposed access road will be 414.75' in length from County Road 206 south to the edge of the drilling pad.
- C. The new road will be 12 feet in width (driving surface), except at the point of origin, adjacent to the existing road, at which point enough additional width will be provided to allow heavy trucks and equipment to turn.
- D. The center line of the new road has been staked and flagged and the route of the road is clearly visible.
- E. The new road will be covered with the necessary depth of gravel.
- F. The surface will be crowned, with drainage on both sides.

## MULTI-POINT SURFACE USE AND OPERATION PLAN

Havasu, 8807 JV-P, Well No. 1  
Page 2

G. The new road will be constructed and maintained in a manner exemplified by good road building practice.

### 3. Location of Existing Wells

A. All existing wells within a 2 mile radius of the proposed well are shown on Exhibit "D".

### 4. Location and Type of Water Supply

A. All water for drilling will be hauled by truck to the well site.

### 5. Source of Construction Materials

A. All gravel used for construction of the drilling pad and the access road will be obtained from a BLM approved pit in the area.

B. If there is not sufficient gravel available, it will be purchased from the area designated by the BLM.

### 6. Methods of Handling Waste Disposal

A. Drill cuttings will be disposed of in the reserve pits.

B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.

C. Water produced during operations will be collected in tanks until hauled to an approved disposal system or a separate disposal application will be submitted to the BLM for appropriate approval.

D. Oil produced during test will be stored in tanks until sold.

E. Current laws and regulations pertaining to the disposal of human waste will be complied with.

F. Trash, waste paper and garbage will be disposed of by hauling to an available disposal. All waste material will be contained to prevent wind scattering during collection.

## MULTI-POINT SURFACE USE AND OPERATION PLAN

Havasu, 8807 JV-P, Well No. 1

Page 3

### 7. Wellsite Layout

- A. Exhibit "E" shows the outline of the well pad and reserve pits, and the location of major rig components.
- B. It will be necessary to build up this location with gravel, as shown on Exhibit H, having most components and equipment to the north of the wellsite.
- C. The reserve pits will be fenced.

### 8. Plans for Restoration of Surface

- A. Following drilling and/or completion operations, all equipment and material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the well site as clean as possible.
- B. Any unguarded pits containing fluids will be fenced until they are filled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the BLM will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.
- D. Surface agreement:

The proposed drillsite is on federal surface. All new and reconstructed roads are also on federal surfaces.

### 9. Topography

- A. The wellsite and access route are located on the edge of a mesa overlooking Alkali Canyon as shown on Exhibit "B", Topographic map of area.
- B. The vegetation is sparse, being mostly scattered pinon and juniper trees, with very little grass as will be described in the Archaeological survey.
- C. There are no houses or buildings with 1/2 mile of drillsite.

MULTI-POINT SURFACE USE AND OPERATION PLAN

Havasu, 8807 JV-P, Well No. 1  
Page 4

- D. No wildlife was observed, but it is likely that deer are in the high country and do come into the area at certain times of the year.
- E. The wellsite is located close to the edge of a bluff. We will build up the location and access road with gravel as shown on Exhibit H.
- F. Signs identifying and locating our well will be maintained at the drillsite and principle entrance, commencing with the spudding of the well.

10. Operator's Representative:

- A. The field representatives that are responsible for assuring compliance with the approved surface use plan are:

Drilling Superintendent:

Mr. L. G. Johnson  
BTA Oil Producers  
104 South Pecos  
Midland, Texas 79701  
Phone: 915/682-3753 (Office)  
915/682-5149 (Home)  
915/683-4090 (Mobile)

Drilling Supervisor:

Mr. Bill Avery  
BTA Oil Producers  
104 South Pecos  
Midland, Texas 79701  
Phone: 915/756-2307 (Home)  
915/683-4093 (Mobile)

Drilling Foremen:

Mr. Paul Scholl  
BTA Oil Producers  
104 South Pecos  
Midland, Texas 79701  
Phone: 915/381-0764 (Home)  
915/943-7772 (Mobile)

MULTI-POINT SURFACE USE AND OPERATION PLAN

Havasu, 8807 JV-P, Well No. 1  
Page 5

Mr. Pete Welborn  
BTA Oil Producers  
104 South Pecos  
Midland, Texas 79701  
Phone: 915/523-5273 (Home)  
915/336-6027 (Mobile)

11. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions 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 BTA Oil Producers and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Dated this 2nd day of June, 1988.

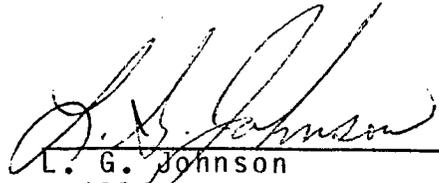
  
\_\_\_\_\_  
L. G. Johnson  
Drilling Superintendent  
For BTA Oil Producers

EXHIBIT -A-

BTA OIL PRODUCERS  
Havasu, 8807 JV-P,  
Well No. 1  
1170' FNL & 1965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan Co., Utah

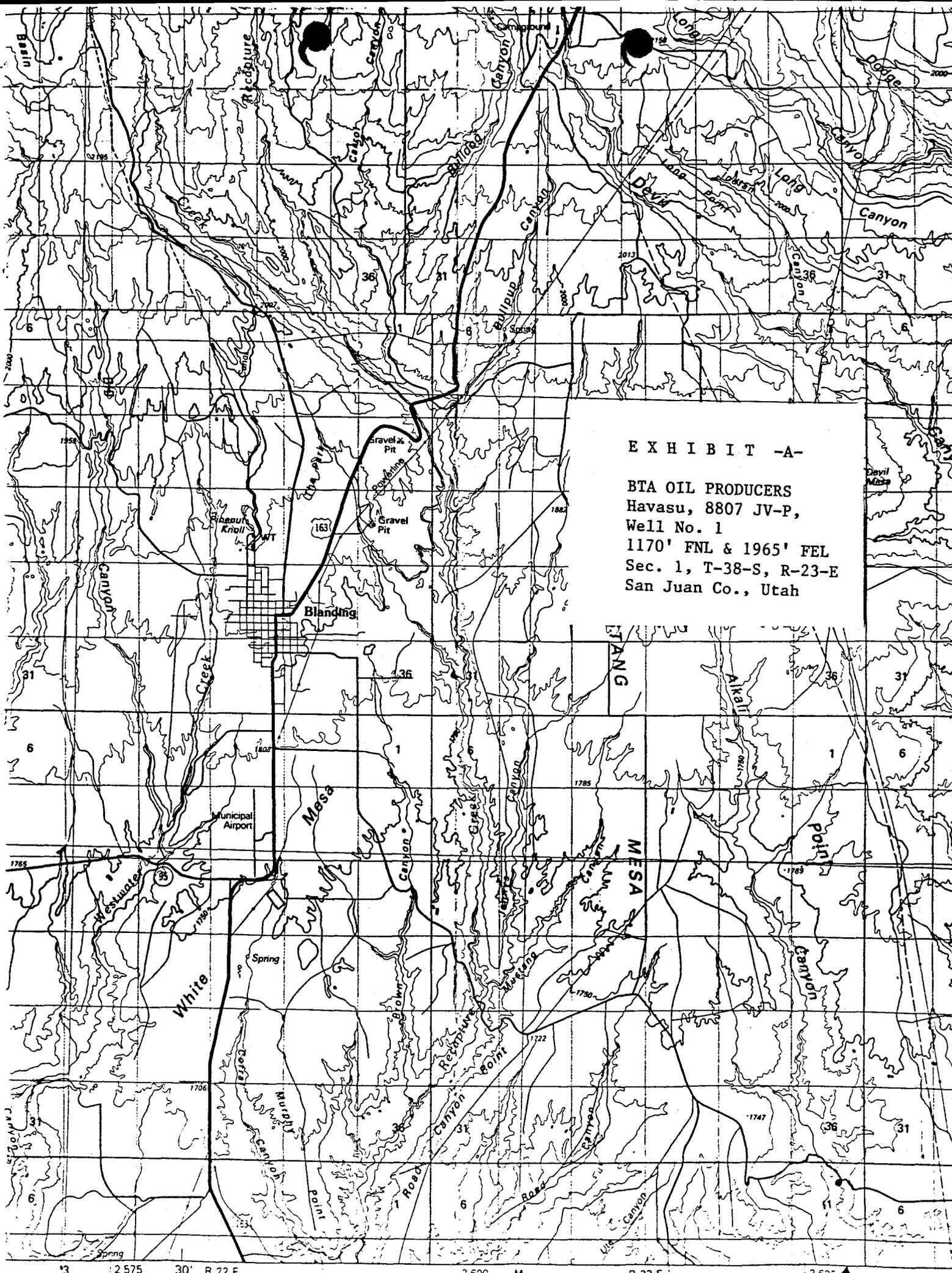
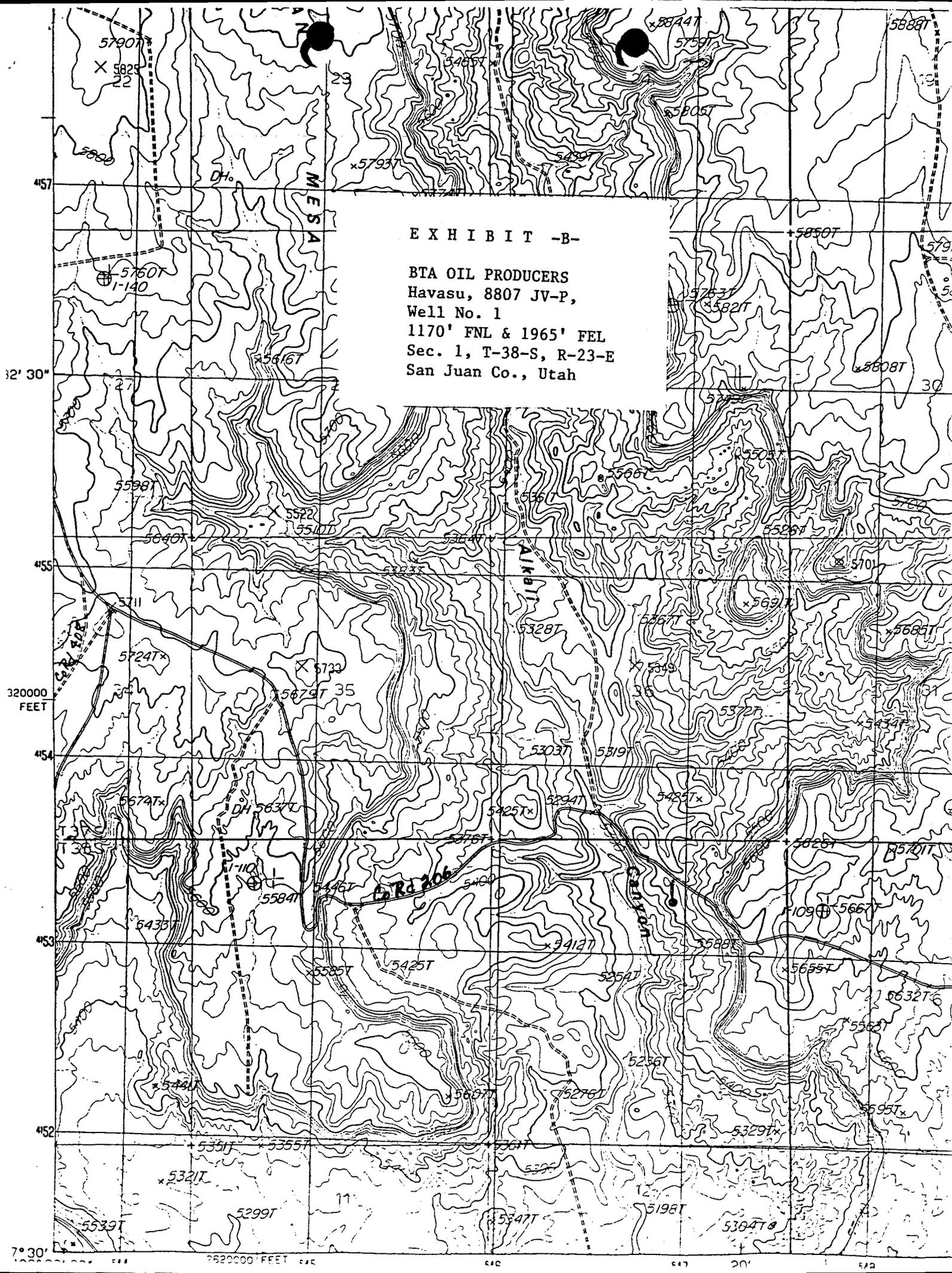


EXHIBIT -B-  
BTA OIL PRODUCERS  
Havasu, 8807 JV-P,  
Well No. 1  
1170' FNL & 1965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan Co., Utah



457  
32' 30"  
455  
320000  
FEET  
454  
453  
452  
7° 30'

3620000 FEET

29

30

31

32

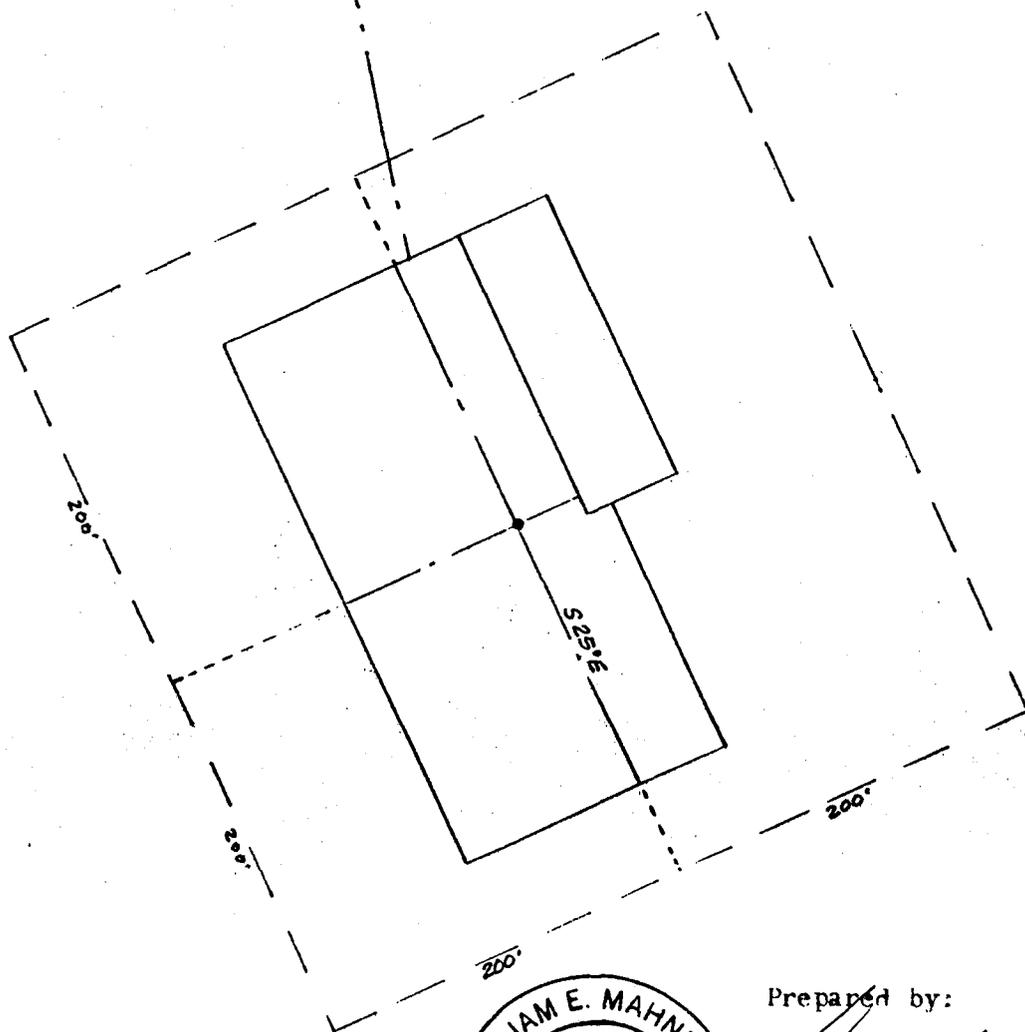
Co. Rd. 206

ACCESS ROAD

BTA OIL PRODUCERS  
#1 8807 J.V-P HAVASU  
1170'FNL & 1965'FEL  
Sec.1, T38S, R23E  
San Juan Co., Utah

EXHIBIT -C-

S 11°41'E, 414.75'

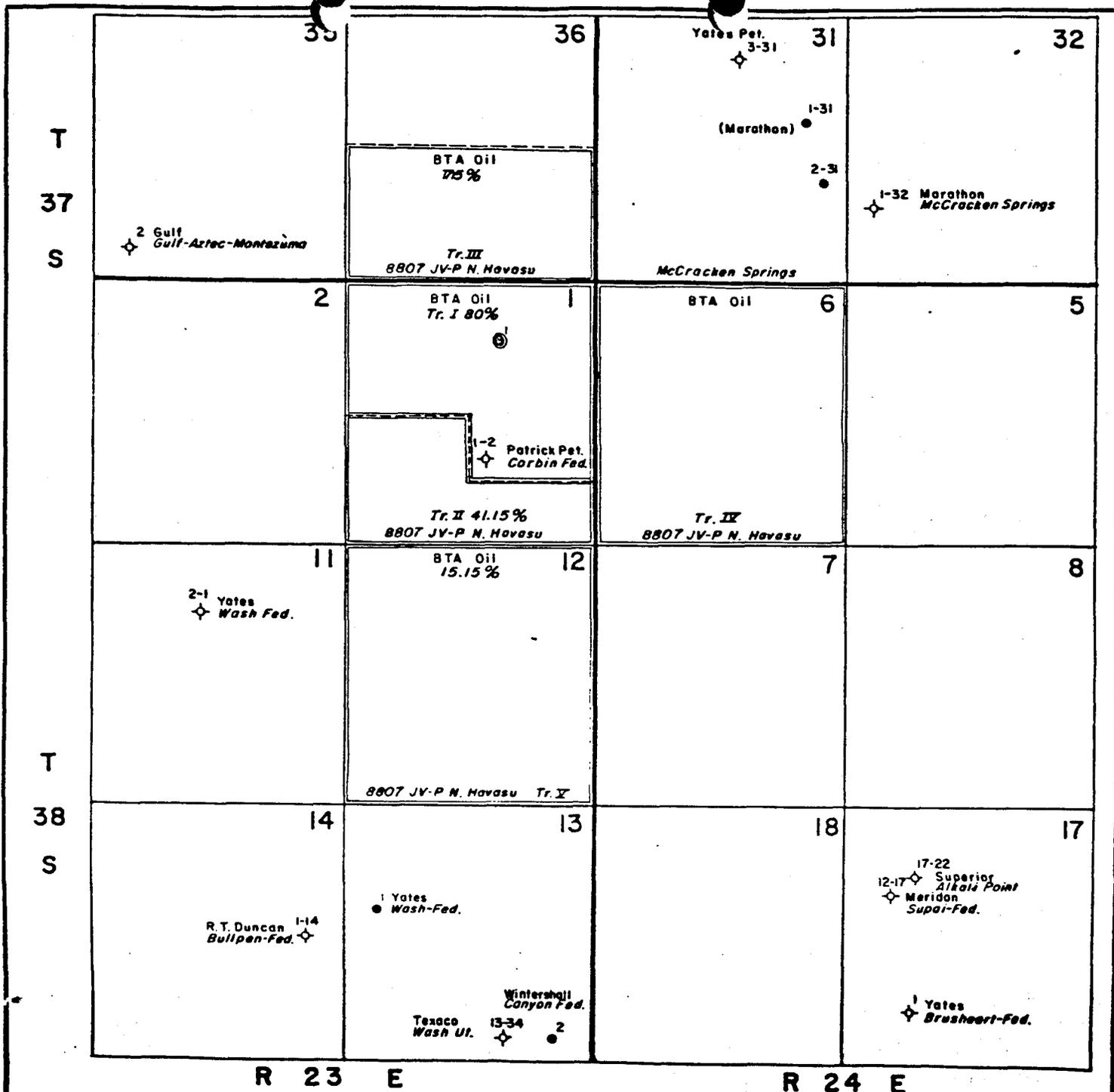


Prepared by:

*William E. Mahnke II* 5-28-88

William E. Mahnke II  
New Mexico P.L.S. No. 9466

POWERS ELEVATION CO., INC.  
P.O. Box 991  
Farmington, N.M. 87499



R 23 E R 24 E

FIGURE

## BTA OIL PRODUCERS 8807 JV-P NORTH HAVASU VENTURE

EXHIBIT -D-

BTA OIL PRODUCERS  
Havasu, 8807 JV-P,  
Well No. 1  
1170' FNL & 1965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan Co., Utah

E X H I B I T -E-

BTA OIL PRODUCERS  
Havasu, 8807 JV-P,  
Well No. 1  
1170' FNL & 1965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan Co., Utah

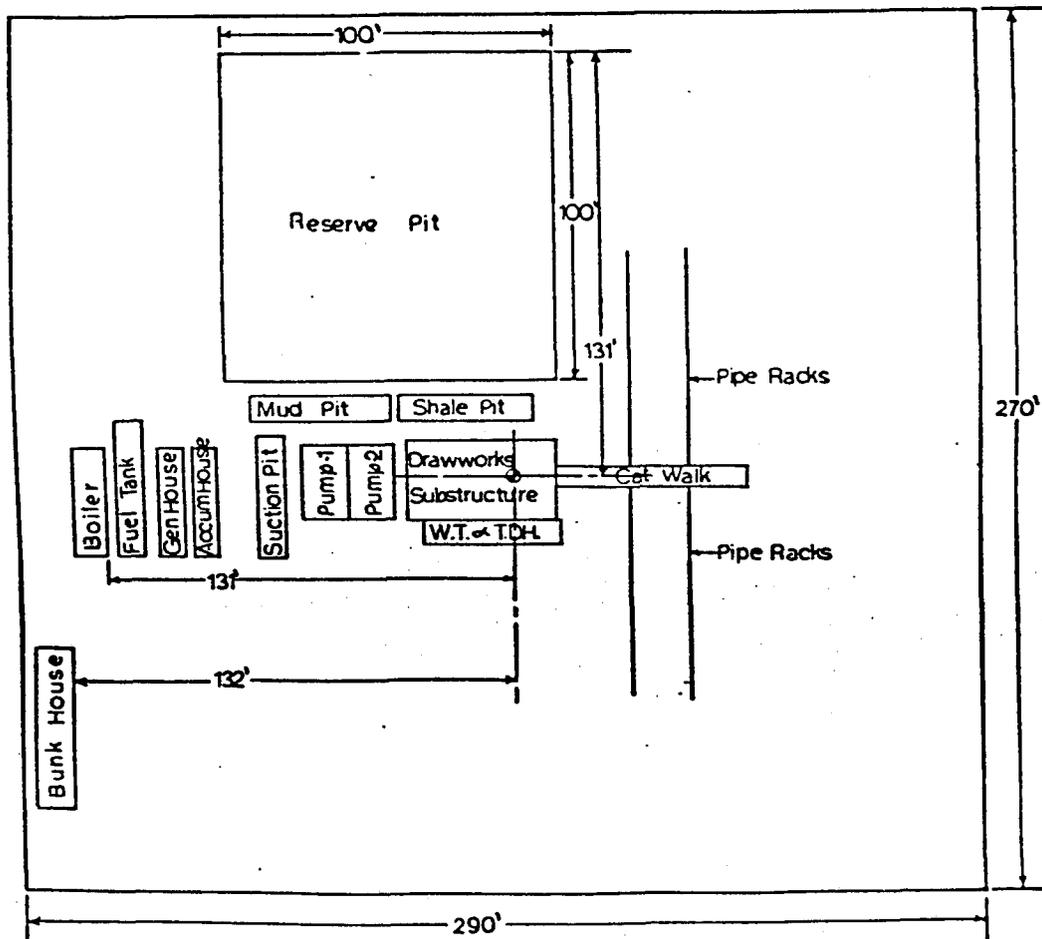


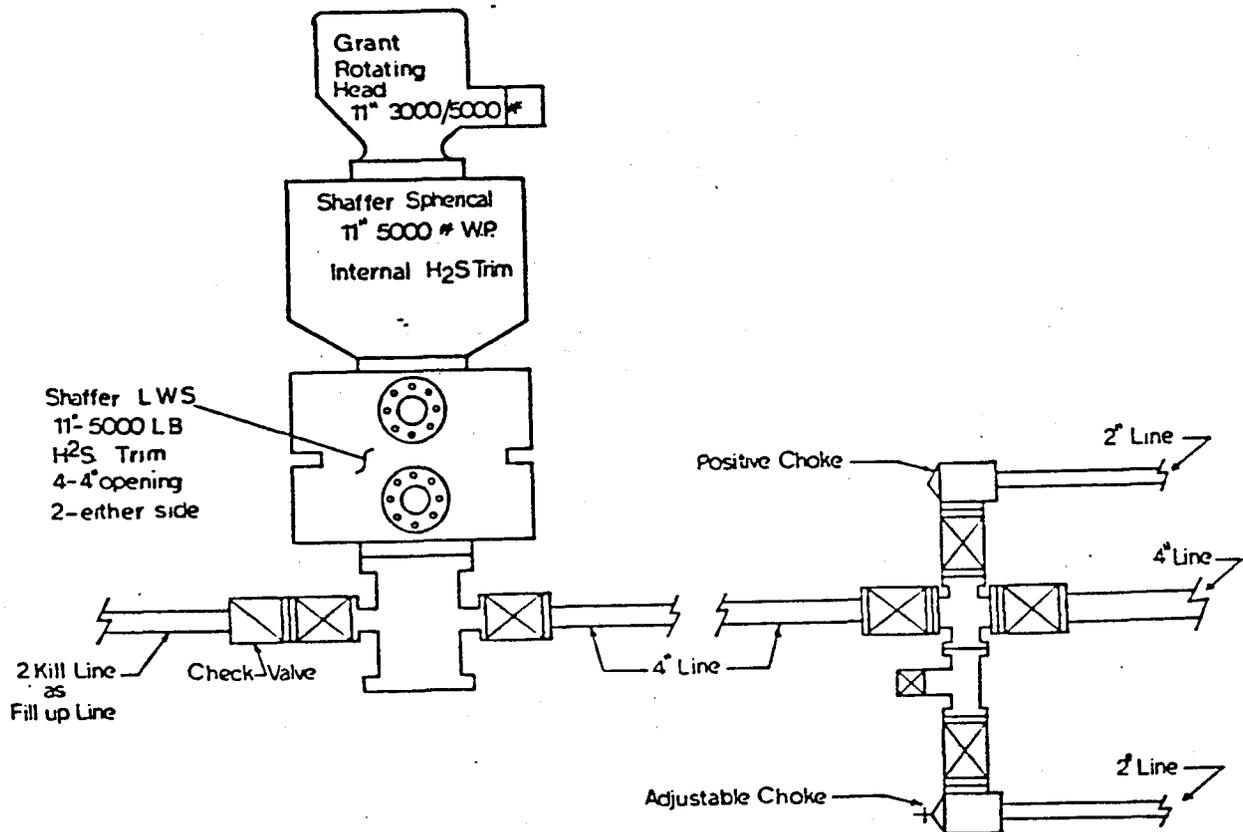
EXHIBIT "F"

8807 JV-P Havasu #1  
1,170' FNL & 1,965' FEL  
Sec. 1, T-38-S, R-23-E  
San Juan County, Utah

MUD PROGRAM:

Fresh Water Gel:	Weight	8.6 to 9.3 ppg
	Viscosity	40 to 45 sec
	Fluid Loss	As required

Maintain low solids. Keep viscosity as needed to clean and stabilize hole. Use thinner as required by hole temperatures.



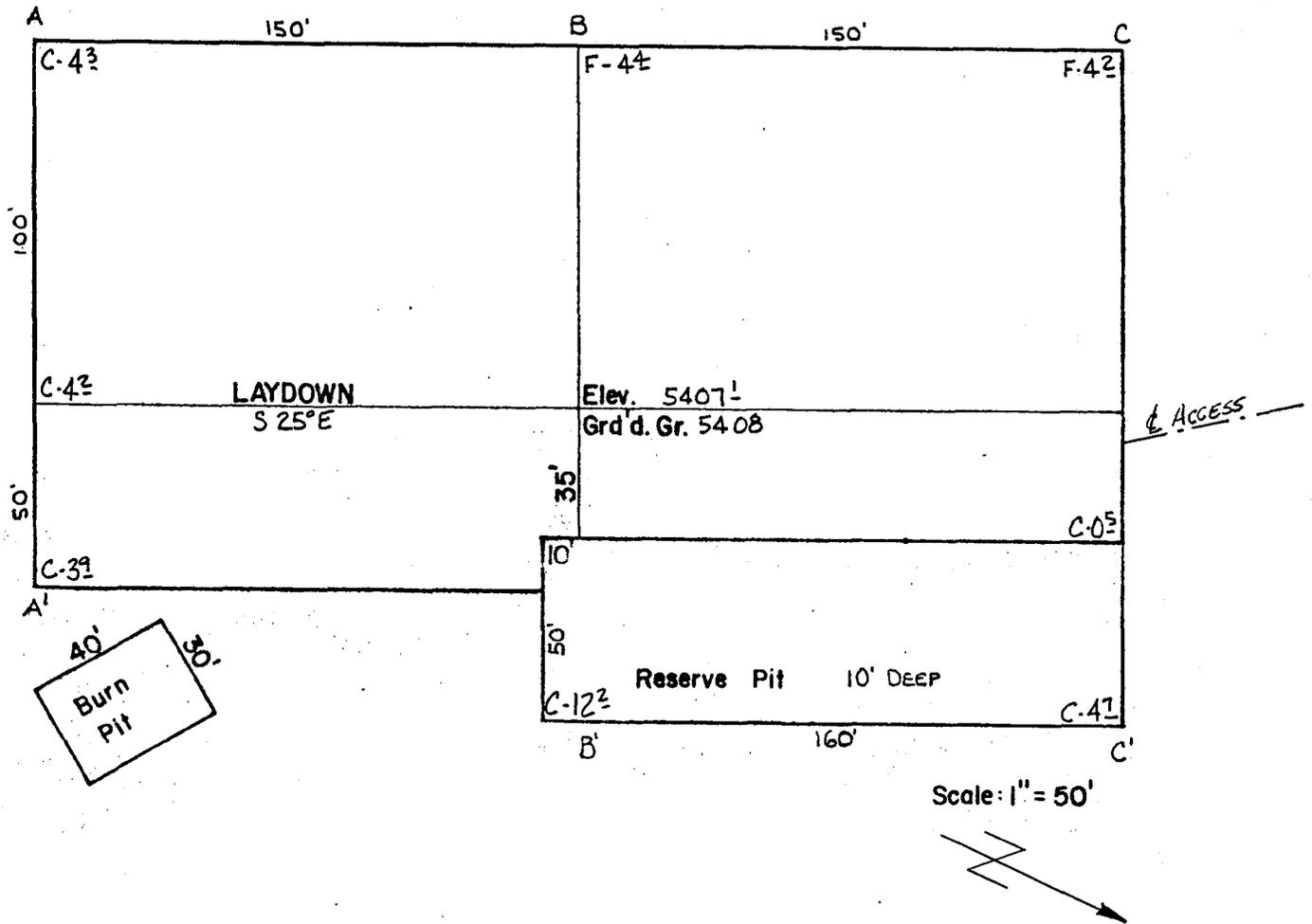
<b>BOP EQUIPMENT</b>	Shaffer LWS 11", 5000 psi, double hydraulic, H <sub>2</sub> S trim Shaffer LWS 11", 5000 psi, annular, H <sub>2</sub> S trim Grant Shorty 11", rotating head
<b>CHOKE MANIFOLD</b>	4" 5000 psi
<b>ACCUMULATOR</b>	Koomey 88 gal., 3000 psi. 4 station with remote controls on rig floor, air and electric automatic control

E X H I B I T -G-

BTA OIL PRODUCERS  
 Havasu, 8807 JV-P,  
 Well No. 1  
 1170' FNL & 1965' FEL  
 Sec. 1, T-38-S, R-23-E  
 San Juan Co., Utah

BTA OIL PRODUCERS  
 #1 8807 J.V-P HAVASU  
 1170'FNL & 1965'FEL  
 Sec.1, T38S, R23E  
 San Juan Co., Utah

EXHIBIT -H-



- A-A'		Vert.: 1" = 30'	Horiz.: 1" = 100'	C/L
5410				
5400				
B-B'				
5410				
5400				
C-C'				
5410				
5400				

STATE ACTIONS

Mail to:  
RDCC Coordinator  
116 State Capitol  
Salt Lake City, Utah 84114

1. ADMINISTERING STATE AGENCY  
OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

2. STATE APPLICATION IDENTIFIER NUMBER:  
(assigned by State Clearinghouse)

3. APPROXIMATE DATE PROJECT WILL START:  
July 6, 1988

4. AREAWIDE CLEARING HOUSE(S) RECEIVING STATE ACTIONS:  
(to be sent out by agency in block 1)  
Southeastern Utah Association of Local Governments

5. TYPE OF ACTION:  Lease  Permit  License  Land Aquisition  
 Land Sale  Land Exchange  Other \_\_\_\_\_

6. TITLE OF PROPOSED ACTION:  
Application for Permit to Drill

7. DESCRIPTION:  
BTA Oil Producers proposes to drill a wildcat well, the 8807 JV-P Havasu #1, on federal lease number U-46719 in San Juan County, Utah. This action is being presented to RDCC for consideration of resource issues affecting state interests. The U.S. Bureau of Land Management is the primary administrative agency in this case and must issue approval to drill jointly with DOGM before operations can commence.

8. LAND AFFECTED (site location map required) (indicate county)  
NW/4, NE/4, Section 1, Township 38 South, Range 23 East, San Juan County, Utah

9. HAS THE LOCAL GOVERNMENT(S) BEEN CONTACTED?  
Unknown

10. POSSIBLE SIGNIFICANT IMPACTS LIKELY TO OCCUR:  
Degree of impact is based on the discovery of oil or gas in commercial quantities.

11. NAME AND PHONE NUMBER OF DISTRICT REPRESENTATIVE FROM YOUR AGENCY NEAR PROJECT SITE, IF APPLICABLE:  
Chip Hutchinson, Moab, 259-8151

12. FOR FURTHER INFORMATION, CONTACT: 13. SIGNATURE AND TITLE OF AUTHORIZED OFFICIAL  
John Baza  
PHONE: 538-5340  
DATE: 6/9/88  
Petroleum Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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  
 BTA OIL PRODUCERS

3. ADDRESS OF OPERATOR  
 104 South Pecos Midland, Texas 797

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 1170' FNL & 1965' FEL *NWNE*  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 Miles Southeast from Blanding

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1170

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

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5407' GR      5420' RKB

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	2000'	1500 sx - Circ to Surface
8-3/4"	5-1/2"	15.5#	6100'	1100 sx - Circ to Surface

Mud Program: See EXHIBIT "F"

BOP Equipment: Shaffer LWS 11", 5,000 psi Double hydraulic -  
 See EXHIBIT "G".

**RECEIVED**  
 JUN 6 1988  
 DIVISION OF  
 OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
 U - 46719

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 8807 JV-P Havasu

9. WELL NO.  
 1

10. FIELD AND POOL, OR WILDCAT  
 Wildcat (Desert Creek)

11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA  
 Sec. 1, T-38-S, R-23-E

12. COUNTY OR PARISH      13. STATE  
 San Juan      Utah

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START\*  
 7/6/88

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 *Deborah Doughton* TITLE Regulatory Supervisor DATE 6/2/88  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



OPERATOR BTA Oil Producers DATE 6-6-88

WELL NAME 8807 QV-P Havesu #1

SEC NWNE | T 38S R 23E COUNTY San Juan

43-037-31435  
API NUMBER

Fed.  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

no other well within 920'  
water permit  
exception location requested 6-7-88  
RDCC Approved 6/9/88 - Process 6-23-88  
6-24-88 Complete APD's requested - received 6-30-88

APPROVAL LETTER:

SPACING:  R615-2-3 \_\_\_\_\_ UNIT

R615-3-2

\_\_\_\_\_ CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

1- water permit

**CONFIDENTIAL**  
**PERIOD**  
**EXPIRED**  
ON 11-3-89



104 SOUTH PECOS  
MIDLAND, TEXAS 79701  
PH: 915-682-3753

*Memo From*

DOROTHY HOUGHTON

---

---

6-30-88

Lisha,

Please give me a  
call if this is not  
everything you need to  
complete our application.

*DH*



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

July 6, 1988

BTA Oil Producers  
104 South Pecos  
Midland, Texas 79701

Gentlemen:

Re: 8807 JV-P Havasu 1 - NW NE Sec. 1, T. 38S, R. 23E - San Juan County, Utah  
1170' FNL, 1965' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form OGC-8-X.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-22, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

Page 2  
BTA Oil Producers  
8807 JV-P Havasu 1  
July 6, 1988

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31435.

Sincerely,



R. J. Firth  
Associate Director, Oil & Gas

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

LCR

Form 3160-3  
(November 1983)  
(formerly 9-331C)

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
U - 46719

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
8807 JV-P Havasu

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat (Desert Creek)

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
Sec. 1, T-38-S, R-23-E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED  
JUL 18 1988

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  
BTA OIL PRODUCERS

DIVISION OF  
OIL, GAS & MINING

3. ADDRESS OF OPERATOR  
104 South Pecos Midland, Texas 79701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface 1170' FNL & 1965' FEL  
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
12 Miles Southeast from Blanding

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1170

16. NO. OF ACRES IN LEASE 1279.52

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

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

19. PROPOSED DEPTH 6100'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5407' GR 5420' RKB

22. APPROX. DATE WORK WILL START\*  
7/6/88

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	24#	2000'	1500 sx - Circ to Surface
8-3/4"	5-1/2"	15.5#	6100'	1100 sx - Circ to Surface

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 *Barthley W. Houston* TITLE Regulatory Supervisor DATE 6/2/88

(This space for Federal or State office use)

PERMIT NO. 43-037-31435 APPROVAL DATE \_\_\_\_\_

APPROVED BY /s/Kenneth V. Rhea TITLE Acting District Manager DATE 7/8/88

CONDITIONS OF APPROVAL, IF ANY:

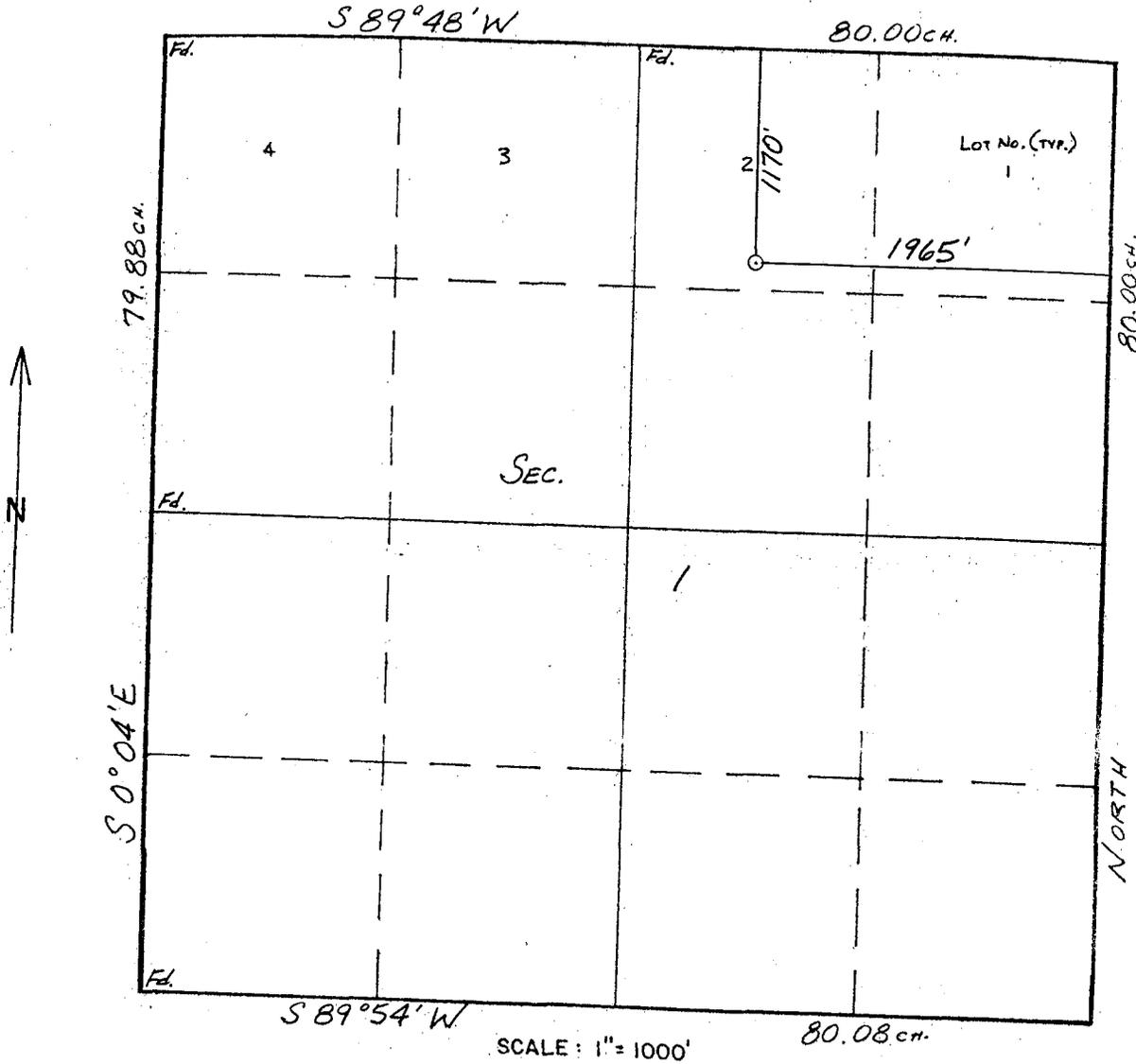
CONDITIONS OF APPROVAL ATTACHED

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

\*See Instructions On Reverse Side

STATE OF UTAH  
DOG M  
Title 13 U.S.C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

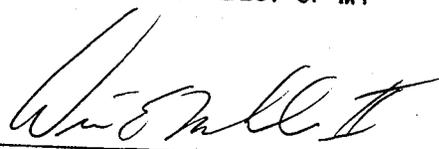
COMPANY BTA OIL PRODUCERS  
 LEASE 8807 J.V-P HAVASU WELL NO. 1  
 SEC. 1, T. 38 S, R. 23 E  
 COUNTY SAN JUAN STATE UTAH  
 LOCATION 1170'FNL & 1965'FEL  
 ELEVATION 5407



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.



SEAL:

  
 WILLIAM E. MAHNKE II  
 NEW MEXICO P.L.S. NO 8466

SURVEYED MAY 28, 19 88

BTA Oil Producers  
Well No. 8807 JV-P Havasu 1  
Sec. 1, T. 38 S., R. 23 E.  
San Juan County, Utah  
Lease U-46719

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

BTA Oil Producers is the bonded entity on this application. Liability will remain with the bonded party named until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

If unconsolidated rock is encountered, conductor shall be set ten (10) feet into underlying bedrock with cement circulated to surface.

Surface casing will be set 50 feet into the Chinle formation regardless of the depth the Chinle is encountered.

BOP Specification and Testing:

All ram-type preventers will be tested to the rated working pressure of the stack or to 70% of the internal yield of the surface casing, whichever is less prior to drilling the surface casing shoe.

The annular-type preventer will be tested to 50% of its rated working pressure prior to drilling the surface casing shoe.

This equipment will meet standards set forth in API RP 53.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the District Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

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

If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations, verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging, a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease Number", "Well number", location of well by 1/41/4 section, township, and range.

B. SURFACE USE PLAN

1. Roads:

An encroachment permit will be obtained from the San Juan County Road Department (801) 587-2231.

Surface disturbance during road construction will be 30 feet wide or less.

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

The access road will be rehabilitated or brought to Resource (Class III) Road Standards within sixty (60) days of dismantling of the drilling rig. If this time frame cannot be met, the Area Manager will be notified so that temporary drainage control can be installed along the access road.

2. Location of Tank Batteries and Production Facilities:

All permanent (onsite for six (6) months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earth tone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within (6) six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will match the rock or trees at the location.

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

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

All site security guidelines identified in 43 CFR 3162.7-4 regulations will be adhered to.

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

All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

Gas meter runs for each well will be located within five hundred (500) feet of the wellhead. The gas flowline will be buried from the well head to the meter and downstream for the remainder of the pad. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three (3) months on new meter installations and at least quarterly thereafter. The Area Manager will be provided with a date and time for the initial meter calibration and all future meter-proving schedules. A copy of the meter calibration reports will be submitted to the Resource Area Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

3. Methods of Handling Waste Disposal:

Three sides of the reserve pit will be fenced with 4 strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

If burning is required, a permit will be obtained from the State Fire Warden, Sheriffs Office (587-2237).

Produced waste water will be confined to an unlined pit for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

4. Well Site Layout

No soil material will be stockpiled. Trees and brush will be stockpiled around the location.

5. Plans for Restoration of Surface:

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

Before any dirt work to restore the location takes place, the reserve pit must be completely dry..

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

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface. The location and access will be ripped 6 inches deep with rips 18 inches apart.

Seed will be broadcast between October 1 and February 28 with the following seed mix:

8 lbs/acre crested wheatgrass  
4 lbs/acre fourwing saltbush  
1/2 lb/acre yellow sweet clover

6. Other Information

There will be no deviation from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.3-2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 31623-2.

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

Any cultural and/or paleontological resource discovered by the holder/operator, or any person working on his behalf, on public or federal land shall be immediately reported to the authorized officer (BLM-San Juan Resource Area Office (801) 587-2141). The holder/operator shall immediately suspend all operations in the area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values. The holder/operator will be responsible for the cost of evaluation of the discovery and of any required mitigation measures. Any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder/operator and other affected parties.

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

If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligation determined by the authorized officer.

NOTIFICATIONS

Notify the San Juan Resource Area, at (801) 587-2144 for the following:

2 days prior to commencement of dirt work, construction or reclamation;

1 day prior to spudding;

Notify the Moab District Office, Branch of Fluid Minerals at (801) 259-6111 for the following:

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly drilled dry holes, and in emergency situations, verbal approval can be obtained by calling the following individuals, in the order listed:

Dale Manchester, Petroleum Engineer      Office Phone: (801) 259-6111

Home Phone: (801) 259-6239

Lynn Jackson, Chief, Branch of Fluid Minerals

Office Phone: (801) 259-6111

Home Phone: (801) 259-7990

Paul Brown, I&E Coordinator

Office Phone: (801) 259-6111

Home Phone: (801) 259-7018

24 hours advance notice is required for all abandonments.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API # 43-037-31435

NAME OF COMPANY: BTA OIL PRODUCERS

WELL NAME: 8807 JV-P HAVASU #1

SECTION NWNE 1 TOWNSHIP 38S RANGE 23E COUNTY SAN JUAN

DRILLING CONTRACTOR COLEMAN

RIG # 4

SPUDDED: DATE 7/19/88

TIME 11:30 p.m.

HOW ROTARY

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY DORTHY HOUGHTON

TELEPHONE # 915-682-3753

DATE 7/20/88 SIGNED TAS

**RECEIVED**  
**JUL 26 1988**

OPERATOR BTA OIL PRODUCERS  
 ADDRESS 104 South Pecos  
Midland, Texas 79701

OPERATOR CODE N0310  
 PHONE NO. (915) 682-3753

**DIVISION OF  
 OIL, GAS & MINING**

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	10900	43-037-31435	8807 JV-P Havasu	NW NE	1	38-S	23-E	San Juan	7-19-88	
COMMENTS: Federal lease Field-wildcat Not in a Unit Proposed Zone-DSCR (Only well in sec. 1 operated by BTA, others PA'd or LA'd. Assign new entity) 10900 on 7-25-88. LCR											
COMMENTS:											
COMMENTS:											
COMMENTS:											
COMMENTS:											

- ACTION CODES:**
- A - ESTABLISH NEW ENTITY FOR NEW WELL (SINGLE WELL ONLY)
  - B - ADD NEW WELL TO EXISTING ENTITY (GROUP OR UNIT WELL)
  - C - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO ANOTHER EXISTING ENTITY
  - D - RE-ASSIGN WELL FROM ONE EXISTING ENTITY TO A NEW ENTITY
  - E - OTHER (EXPLAIN IN COMMENTS SECTION)

(SEE INSTRUCTIONS ON BACK OF FORM)

*Dorothy Houghton*  
 SIGNATURE DOROTHY HOUGHTON  
 Regulatory Supvr. 7/20/88  
 TITLE DATE

8-1-88

BTA Oil Producers

8807 JV-P Havasu #1

Logging @ 6138'

---

Pete Welborn

(801) 678-2278

ext. 113

---

Notif. of P&A  
called into JRB @  
8:40 am.

RECEIVED  
TEMPORARY  
1988

RECEIVED

FILING FOR WATER IN THE  
STATE OF UTAH

RECEIVED

Rec. by 98  
Fee Rec. 30.00  
Receipt # 24652  
filmed \_\_\_\_\_  
Roll # \_\_\_\_\_

DIVISION OF  
OIL, GAS & MINING

JUL 29 1988

WATER RIGHTS

APPLICATION TO APPROPRIATE WATER  
SALT LAKE

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Title 73, Chapter 3 of the Utah Code Annotated (1953, as amended).

\* WATER RIGHT NO. 09 — 1590

\* APPLICATION NO. A T63426

1. \*PRIORITY OF RIGHT: July 19, 1988 \* FILING DATE: July 19, 1988

2. OWNER INFORMATION

Name(s): BTA Oil Production Attn: Dorothy Houghton Interest: 100 %

Address: 104 South Pecos

City: Midland State: Texas Zip Code: 79701

Is the land owned by the applicant? Yes \_\_\_\_\_ No X

(If "No", please explain in EXPLANATORY section.)

3. QUANTITY OF WATER: \_\_\_\_\_ cfs and/or 3.0 ac-ft

Artesian Well

4. SOURCE: (Richard Gore Pond) \* DRAINAGE: \_\_\_\_\_

which is tributary to \_\_\_\_\_

which is tributary to \_\_\_\_\_

POINT(S) OF DIVERSION: \_\_\_\_\_ COUNTY: San Juan

S. 1800 ft. & E. 1880 ft. from NW Cor. Sec. 1, T38S, R24E, SLB&M

Bug Canyon Quad

Description of Diverting Works: Pump truck (80-100 barrel capacity)

\* COMMON DESCRIPTION: 8 1/2 miles North of Hatch Trading Post

5. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point:

Description of Rediverting Works: \_\_\_\_\_

6. POINT(S) OF RETURN

The amount of water consumed will be \_\_\_\_\_ cfs or 3.0 ac-ft

The amount of water returned will be \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

7. STORAGE

Reservoir Name: \_\_\_\_\_ Storage Period: from \_\_\_\_\_ to \_\_\_\_\_

Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_ acres

Height of dam: \_\_\_\_\_ feet

Legal description of inundated area by 40 acre tract(s): \_\_\_\_\_

\* These items are to be completed by the Division of Water Rights

TEMPORARY

Appropriate

8. List any other water rights which will supplement this application None

9. NATURE AND PERIOD OF USE

Irrigation:	From _____	to _____
Stockwatering:	From _____	to _____
Domestic:	From _____	to _____
Municipal:	From _____	to _____
Mining:	From _____	to _____
Power:	From _____	to _____
Other: Oil & Gas Drilling	From <u>7-20-88</u>	to <u>8-31-88</u>

10. PURPOSE AND EXTENT OF USE

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_ acres.  
 Stockwatering (number and kind): \_\_\_\_\_  
 Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons  
 Municipal (name): \_\_\_\_\_  
 Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine  
 Ores mined: \_\_\_\_\_  
 Power: Plant name: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
 Other (describe): Oil and gas well drilling

11. PLACE OF USE

8807 gu-P

Legal description of place of use by 40 acre tract(s):  
Havasu Well #1: S. 1170 ft. & W. 1965 ft. from NE Cor. Sec. 1, T38S, R23E, SLB&M  
(NW $\frac{1}{2}$ NE $\frac{1}{4}$ ).

12. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. (Use additional pages of same size if necessary):

The surface at the drillsite is owned by the BLM.  
This water is being taken from Richard Gore's pond and hauled to place of  
use by Sunco Trucking Company.

\*\*\*\*\*

The applicant(s) hereby acknowledges that he/she/they are a citizen(s) of the United States of America or intends to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

*Dorothy Neughton*  
 Signature of Applicant(s)

RECEIVED

TEMPORARY

STATE ENGINEER'S ENDORSEMENT

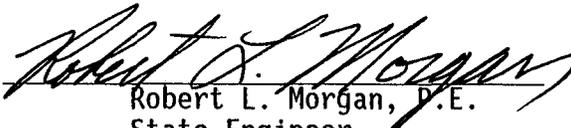
WATER RIGHT NUMBER: 09 - 1590

APPLICATION NO. T63426

1. July 19, 1988      Application received by MP.
  2. July 27, 1988      Application designated for APPROVAL by MP and KLJ.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated August 2, 1988, subject to prior rights and this application will expire on August 2, 1989.

  
Robert L. Morgan, P.E.  
State Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO. U-46719

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME 8807 JV-P Havasu

9. WELL NO. 1

10. FIELD AND POOL, OR WILDCAT Wildcat (Desert Creek)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 1, T-38-S, R-23-E

12. COUNTY OR PARISH San Juan

13. STATE Utah

14. PERMIT NO. 43-037-31435

15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5,407' GR 5,420' RKB

RECEIVED  
AUG 8 1988

DIVISION OF  
OIL GAS & MINING

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL

PCLL OR ALTER CASING   
MULTIPLE COMPLETE   
ABANDON\*   
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF   
FRACTURE TREATMENT   
SHOOTING OR ACIDIZING

REPAIRING WELL   
ALTERING CASING   
ABANDONMENT\*

(Other)

(Other)

(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.)

7-30-88 Depth 5,908'. DST #1 5,794'-5,908' (Ismay)

7-31-88 Depth 6,138'. DST #2 6,028'-6,057' (Desert Creek)

8-2-88 TD 6,138'. Ran CNL/FDC/DIL & BHC logs.

Set cement plugs as follows:

Plug #1 270 sx 6,138-5,386'  
#2 40 sx 2,032-1,932'  
#3 30 sx 50' to surface

Released rig, P&A 8-3-88

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

SIGNED

*Dorothy Houghton*  
DOROTHY HOUGHTON

TITLE

Regulatory Supervisor

DATE

8-2-88

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

2

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO. U-46719

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

UNIT AGREEMENT NAME \_\_\_\_\_

FARM OR LEASE NAME 8807 JV-P Havasu

9. WELL NO. 1

10. FIELD AND POOL, OR WILDCAT Wildcat (Desert Creek)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 1, T-38-S, R-23-E

12. COUNTY OR PARISH San Juan 13. STATE Urah

14. PERMIT NO. 43-037-31435 DATE ISSUED AUG 8 1988

15. DATE SPUNDED 7-19-88 16. DATE T.D. REACHED 7-31-88 17. DATE COMPL. (Ready to prod.) 8-3-88 (P&A) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5,407' GR 5,420' RKB 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD 6,138' 21. PLUG, BACK T.D., MD & TVD \_\_\_\_\_ 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_ ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS 6,138'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* \_\_\_\_\_ 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC & BHC DI-SFL Cy 27. WAS WELL CORED No

RECEIVED  
AUG 8 1988

DIVISION OF  
OIL, GAS & MINING

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	90'	17-1/2"	100 sx - circ	
8-5/8"	24#	1,982'	12-1/4"	1000 sx - circ	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

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

33.\* PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS 3160-5, 2 sets logs

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

SIGNED Dorothy Houghton TITLE Regulatory Supervisor DATE 8-5-88  
DOROTHY HOUGHTON

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Ismay	5,794'	5,908'	DST #1 - tool open 40 mins. Rec. 120' drlg. mud. IH 2,682 psi; 10 min PF 81-108 psi; 60 min ISI 162 psi; 30 min FF 108-108 psi; 60 min FSI 162 psi; FH 2,652 psi.  DST #2 - tool open 70 min. Rec. 40' drlg. mud. IH 3,130 psi; 10 min PF 76-81 psi; 60 min ISI 108 psi; 60 min FF 81-81 psi; 120 min FSI 108 psi; FH 3,104 psi.	Chinle Shinarump Cutler Hermosa U. Ismay L. Ismay Desert Creek Akah	1,980'	
					2,610'	
Desert Creek	6,028'	6,057'			2,894'	
					4,498'	
					5,794'	
					5,932'	
					6,030'	
					6,124'	

OIL AND GAS	
DRN	RJF
JRB	GLH
DTC	SLS
1-TAS	3-AST
2- MICROFILM	
4- FILE	

# SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

JIMMIE WALKER  
Chairman

P.O. Drawer A1 • Price, Utah 84501 • Telephone 637-5444

WILLIAM DEBOWELL  
Executive Director

RECEIVED  
AUG 26 1988

DIVISION OF  
OIL, GAS & MINING

AREAWIDE CLEARINGHOUSE A-95 REVIEW

NOI \_\_\_ Preapp \_\_\_ App \_\_\_ State Plan \_\_\_ State Action X Subdivision \_\_\_ (ASP # 8-88-3)

Other (indicate) \_\_\_\_\_ SAI Number UT-880808-010

Applicant (Address, Phone Number):

Oil, Gas and Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Federal Funds:

Requested: \_\_\_\_\_

Title:

APPLICATION FOR PERMIT TO DRILL

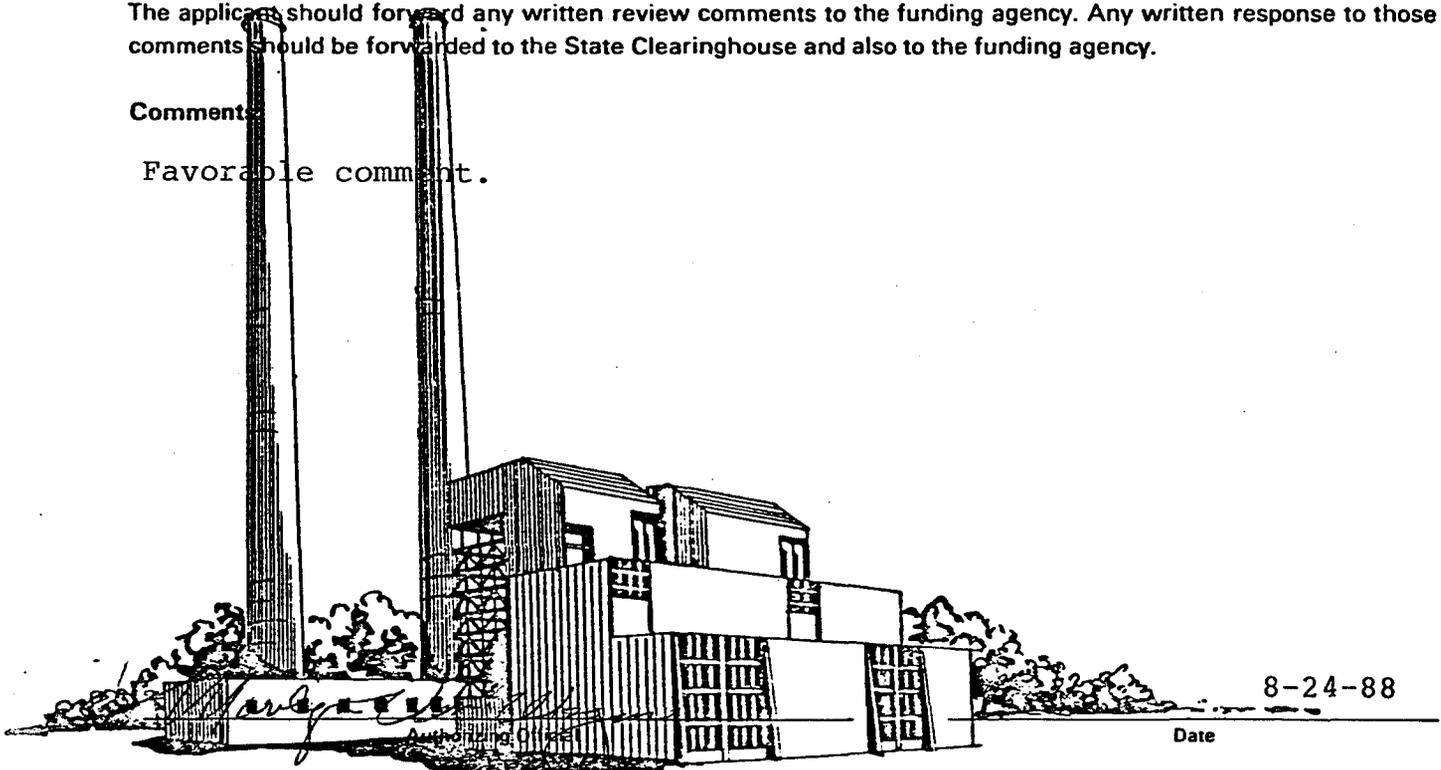
*PA*  
*43-037-31435*  
*BTA Oil Producers*  
*3807 JV-P Havasu #1*  
*1-385-23E*  
*San Juan Co.*

- No comment
- See comments below
- No action taken because of insufficient information
- Please send your formal application to us for review. Your attendance is requested

The applicant should forward any written review comments to the funding agency. Any written response to those comments should be forwarded to the State Clearinghouse and also to the funding agency.

Comments:

Favorable comment.



8-24-88

Date



Norman H. Bangertter  
Governor

Dale C. Hatch, C.P.A., J.D.  
Director

Michael E. Christensen, Ph.D.  
Deputy Director

State of Utah  
OFFICE OF PLANNING AND BUDGET

116 State Capitol Building  
Salt Lake City, Utah 84114  
(801) 538-1027

*PA will file*  
**RECEIVED**  
AUG 29 1988

DIVISION OF  
OIL, GAS & MINING

*385 23E 5-1*

August 25, 1988

Mr. John Baza  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

SUBJECT: BTA Oil Producers Wildcat Well, the 8807 JV-P Havasu #1 on federal lease number U-46719 in San Juan County  
State Application Identifier #UT880808-010

Dear Mr. Baza:

The Resource Development Coordinating Committee of the State of Utah has reviewed these proposed actions. We have received no comments from potentially affected state agencies.

The Committee appreciates the opportunity of reviewing this document. Please address any other questions regarding this correspondence to Carolyn Wright (801) 538-1535.

Sincerely,

*Michael E. Christensen*  
Michael E. Christensen  
Deputy Director

MEC/jw

MEMO TO WELL FILE

July 10, 1991

These wells are PA'd and have received a final abandonment notice from the BLM:

<u>NAME/API</u>	<u>LOCATION</u>	<u>FAN DATE</u>
Cherokee Fed 23-14 43-037-31392	Sec. 14 T. 37S R. 23E	5-20-91
8807 JV-P Havasu #1 43-037-31435	Sec. 01 T. 38S R. 23E	5-22-91
Dec Federal #1 43-037-31366	Sec. 10 T. 38S R. 24E	5-22-91
Brusheart Fed #1 43-037-31379	Sec. 17 T. 38S R. 24E	5-22-91
Black Steer Fed 7-25 43-037-31461	Sec. 25 T. 38S R. 24E	5-22-91
Wexpro-9 43-037-30604	Sec. 18 T. 36S R. 26E	6-11-91
Muckleshoot Fed 15-32 43-037-31380	Sec. 15 T. 38S R. 25E	6-11-91