

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

Basin Fuels, Incorporated

## 3. ADDRESS OF OPERATOR

Suite 300, 300 W. Arrington, Farmington, N.M. 87401

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1980' FSL 330' FWL

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

22 miles SE Counselor, N.M., 5 miles southwest Ojo Encino School

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

330'

## 16. NO. OF ACRES IN LEASE

960

## 17. NO. OF ACRES ASSIGNED

TO THIS WELL

40 if oil; ~~160 if gas~~

## 18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1320'

## 19. PROPOSED DEPTH

3000'

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6767' GR

## 22. APPROX. DATE WORK WILL START\*

December 20, 1976

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11 1/2	8-5/8	24#	100	100 sx.
7-7/8	4-1/2	9.50#	3000	150 sx.

Set 8-5/8 surface casing at 100' and circulate cement. Drill to 3000', run logs, if production is indicated, set and cement 4-1/2" production casing with 150 sacks cement. Gun perforate, fracture treat in a completion attempt. If non-commercial, will plug and abandon in accordance with U.S.G.S. abandonment instructions and restore surface.

A 10" Shaffer 3000 Series blow-out preventer will be used at all times material to the drilling of the well in question.

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

TITLE

President

DATE 12/15/76

(This space for Federal or State office use)

PERMIT NO.

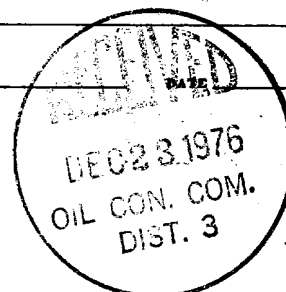
APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACERAGE DEDICATION PLAT**

All distances must be from the outer boundaries of the Section

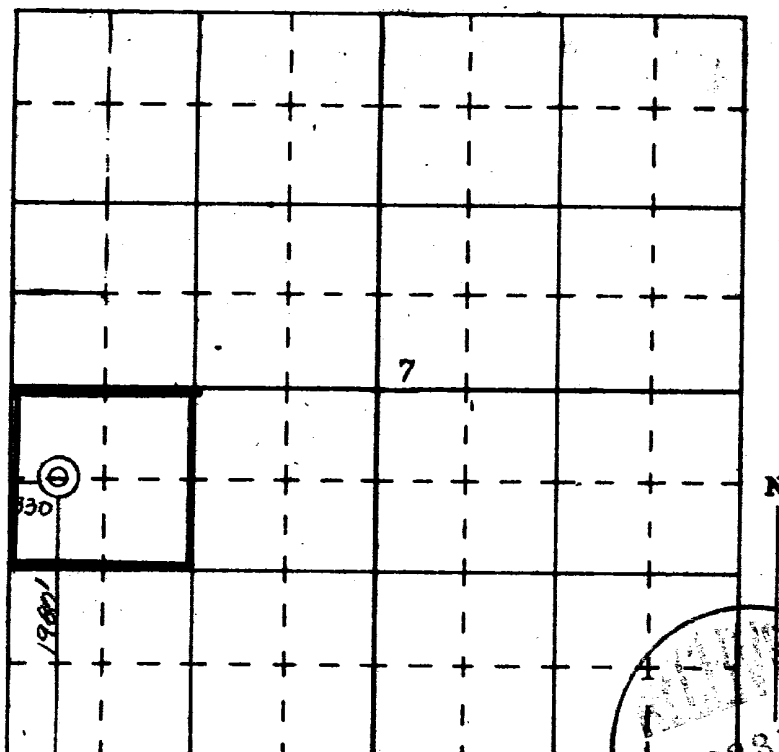
Operator <b>BASIN FUELS</b>			Lease <b>EASTER FLATS</b>		<b>STNR #5</b>
Unit Letter <b>L</b>	Section <b>7</b>	Township <b>20 NORTH</b>	Range <b>5 WEST</b>	County <b>MCKINLEY</b>	
Actual Footage Location of Well: <b>1980</b> feet from the <b>SOUTH</b> line and <b>330</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>6742</b>	Producing Formation <b>MESAVERDE</b>	Pool <b>UNDESIGNATED</b>		Dedicated Acreage: <b>39.79</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

( ) Yes ( ) No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

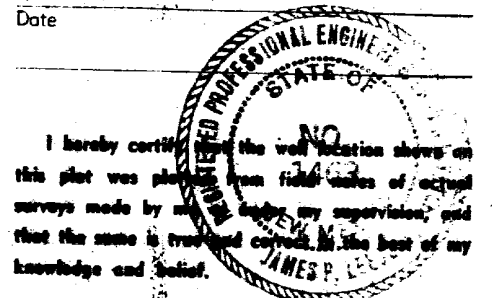
**James E. Burt, Jr.**

President

**BASIN FUELS, INCORPORATED**

December 16, 1976

Date



I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**15 December 1976**

Date Surveyed

**James P. Leese**  
Registered Professional Engineer  
and/or Land Surveyor

**1463**

Certificate No.

DEVELOPMENT PLAN FOR SURFACE RESUME

COMPANY:

Basin Fuels, Incorporated  
Suite 300, 300 W. Arrington  
Farmington, N.M. 87401

WELL:

Star No. 5  
1980' FSL, 330' FWL  
Sec. 7, T20N, R5W  
McKinley County, N.M.

1. Location and vicinity map, San Juan Engineering Company. Exit Highway 44, 22 miles northwest of lease. Directions to site: at Counselor, N.M., turn right, go 4.5 miles to cross-road, left at cross-road, on Ojo Encino Road go 14.5 miles, at this point, trail off main road, go south 3 miles to site.
2. No roads required; only slight improvement of existing trail will be required.
3. Six producing wells, located in the SW SW Sec. 7, SE NW Sec. 7, and NW NW Sec. 18, Township 20 North, Range 5 West; SE SE Sec. 12, Township 20 North, Range 6 West, SW NE Sec. 7, Township 20 North, Range 5 West; and SE NE Sec. 12, Township 20 North, Range 6 West.
4. Roads shown on vicinity plat and location plat.
5. In the event of production, tank battery to be installed on location.
6. Water will come from a B.L.M. well approximately 10 miles to the east of the field.
7. All trash and waste material to be placed in mud pit and covered. No other surface to be used.
8. None.
9. None.
10. Rig layout shown on plat attached. Area is flat with sagebrush. Drilling pad to be compacted.
11. Upon completion of drilling or producing operation, the surface will be leveled and restored in accordance with instructions from a-proppriate governmental agency.
12. Area is flat, covered with sagebrush. Drill site to be compacted, and upon completion of operation will be leveled and restored.

Field representatives to contact:

In Farmington:

Joel B. Burr, Jr.  
Basin Fuels, Incorporated  
Suite 300, 300 W. Arrington  
Farmington, N.M. 87401  
Phone: (505) 325-1701

Pumper at Location:

Eugene V. Vigil  
P. O. Box 719  
Cuba, N.M. 87613  
Phone: (505) 325-1170, Car 120

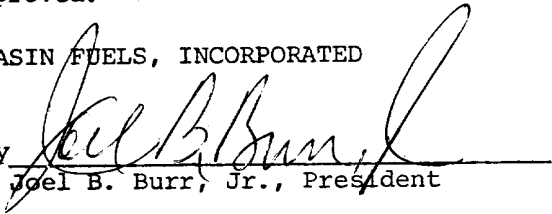
13. Certification:

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 Basin Fuels, Incorporated and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

BASIN FUELS, INCORPORATED

December 15, 1976

By

  
Joel B. Burr, Jr., President

SUPPLEMENTAL INFORMATION

Re: Application for Permit to Drill  
Star No. 5 Well, 1980' FSL 330' FWL Sec. 7, T20N, R5W  
McKinley County, New Mexico

The following supplemental information is submitted to comply with NTL-6 and should be read in conjunction with form 9-331C, "Application for Permit to Drill, Deepen or Plug Back":

Move in, rig up rotary tools, drill 11½" hole to 100', run new 8-5/8" 24 lb. K-55 casing to 3000' and cement with 150 sacks of Class B plus 12% calcium chloride. Wait on cement 12 hrs., install 10" series 900, 3000 psi working pressure hydraulic blow-out preventers. Blow-out preventer will be pressure tested prior to drilling out from under surface, and tested daily to insure sound mechanical operations. See APC

Well will be drilled with native mud to 1800'; from 1800' to Total Depth a gel chemical system with the following characteristics will be employed:

Weight 9 - 9.5 lb. per gallon  
Viscosity 35-60 seconds per quart  
Water loss less than 10 c.c.

No cores or DSTs will be taken. Upon reaching total depth, IES, FDS and Gammy Ray logs will be run. No abnormal temperatures or pressures are expected.

Assuming well is determined to be a producer, new 4½" 10.5 lb. K-55 casing will be set at 3000' and cemented with 150 sacks.

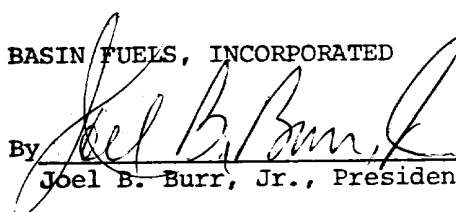
Anticipated formation tops are as follows:

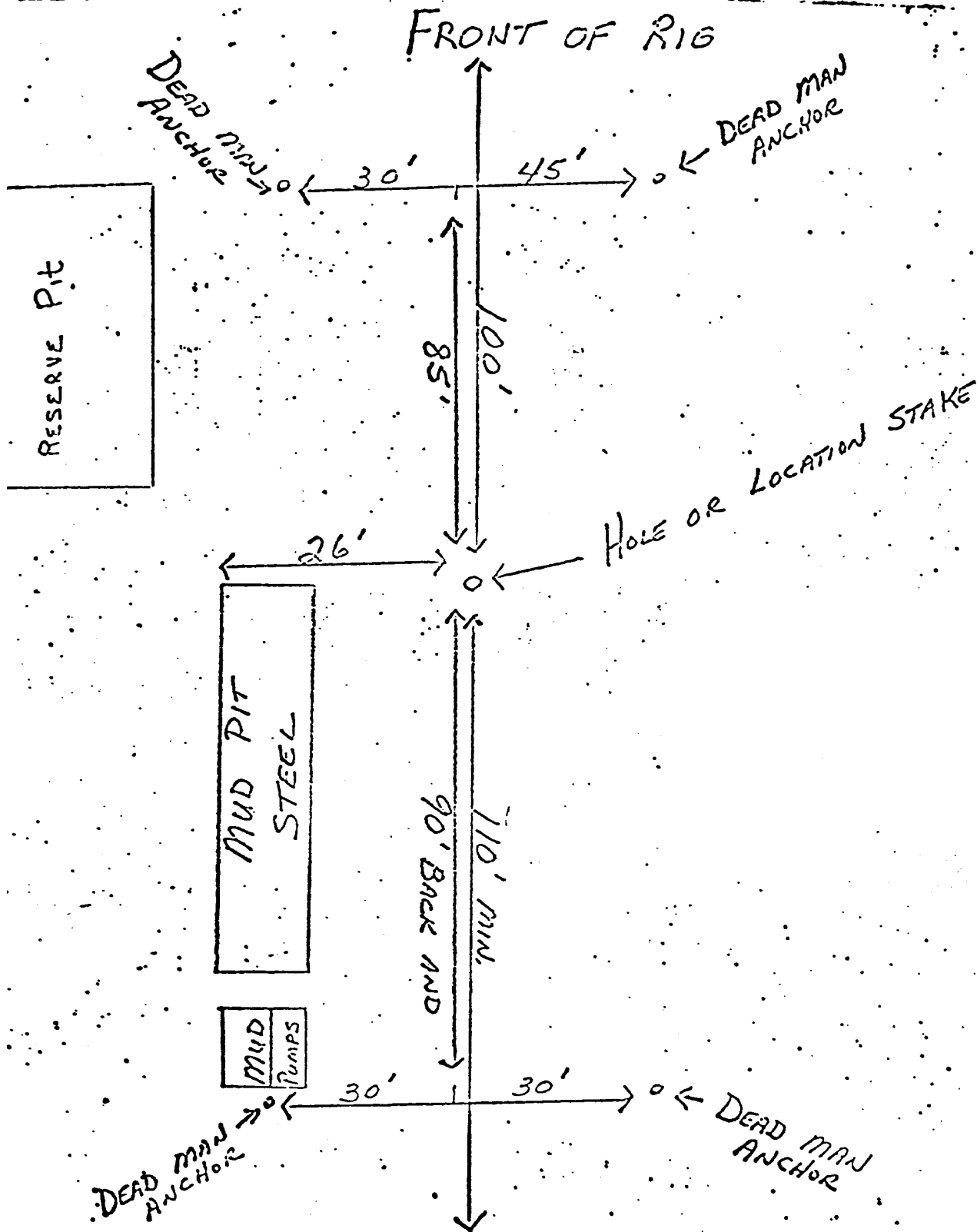
La Ventana	1060'
Chacra	1300'
Cliffhouse	1850'
Menefee	1930'
Point Lookout	2720'

Kelly cocks, floats at the bit, monitoring equipment on the mud system, a sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string will be available for use in blow-out control.

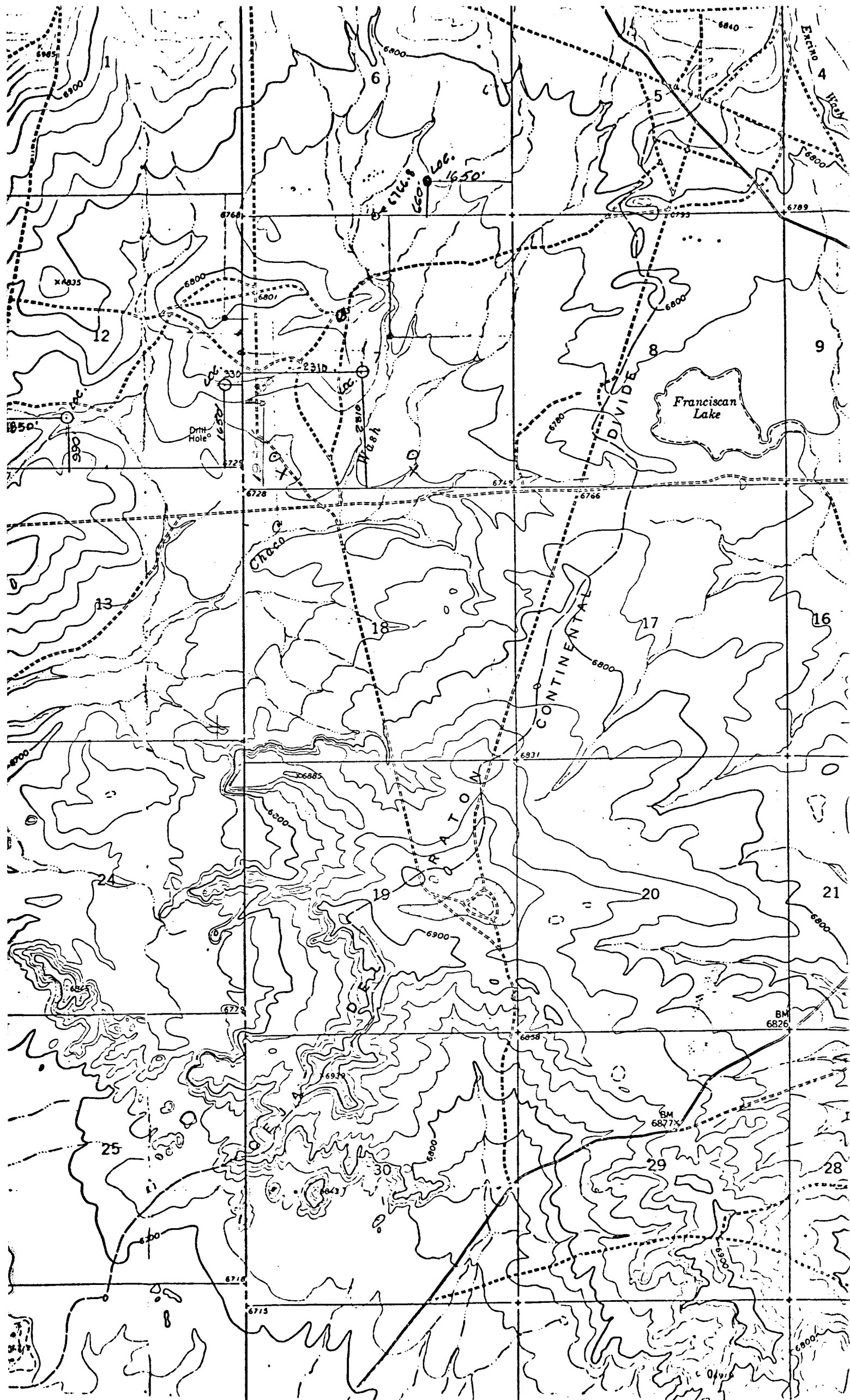
Dated: December 15, 1976.

BASIN FUELS, INCORPORATED

By   
Joel B. Burr, Jr., President



RESERVE PIT 90' X 90' X 5' DEEP



4949 SAN PEDRO, N. E.  
SUITE 47  
ALBUQUERQUE, NEW MEXICO 87109

PHONE (505) 883-9624

CLAUDE C. KENNEDY

INDEPENDENT OIL AND GAS OPERATOR

January 19, 1977

Mr. Alton R. Kendrick  
New Mexico Oil Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico 87410



Re: Basin Fuels, Inc.  
#5 Star  
1980' FSL, 330' FWL  
Sec. 7, T20N, R5W  
McKinley Co., New Mexico

Dear Mr. Kendrick:

This is to certify that deviation tests as follows were taken during drilling of the subject well as reported to me by the drilling contractor.

1	degree	@	111
1½	"	@	621
1-3/4	"	@	1115
1¼	"	@	1600
1	"	@	1991
1	"	@	2460
½	"	@	2860

Very Truly Yours,

*Claude C. Kennedy*  
Claude C. Kennedy  
Consultant Drilling Supervisor

ACKNOWLEDGEMENT

STATE OF NEW MEXICO }  
COUNTY OF SAN JUAN }

The foregoing was sworn to before me this 19th day  
January, 1977.

MY COMMISSION EXPIRES:

May 12, 1980

*James Whitelison*  
Notary Public