

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED  OIL & GAS SUB REPORT/abd

LOCATION ABANDONED WELL NEVER DRILLED

DATE FILED 12-9-81

LAND FEE & PATENTED  STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN

DRILLING APPROVED 1-22-82

SPUDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API:

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED LOCATION ABANDONED 5-17-83

FIELD 3/86 WILDCAT

UNIT:

COUNTY: SUMMIT

WELL NO CHAMPLIN #1-5

API NO. 43-043-30194

LOCATION 1320 FT FROM (N) (S) LINE. 1276

FT FROM (E) (W) LINE.

NW NW

1/4 - 1/4 SEC 5

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
3N	6E	5	UINVERSAL ENERGY				

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

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

4

Fee

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

Universal Energy

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name Champlin

2. Name of Operator

Universal Energy

1-5

9. Well No.

Wildcat

10. Field and Pool, or Wildcat

Sec 5, T3N, R6E

3. Address of Operator

P. O. Box 146, Tulsa, OK 74101

11. Sec., T., R., M., or Blk. and Survey or Area

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*

At surface

1276' FWL 1320' FNL

At proposed prod. zone

Same

Summit

Utah

14. Distance in miles and direction from nearest town or post office\*

NA

12. County or Parrish 13. State

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

1276'

16. No. of acres in lease

640

17. No. of acres assigned to this well

640

18. Distance from proposed location\* to nearest well, drilling, completed, or applied for, on this lease, ft.

None

19. Proposed depth

18,500'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

6810' GR

22. Approx. date work will start\*

1/15/82

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached casing and cementing program.				

The proposed wildcat will be drilled to a total depth of 18,500' to test possible production in the Nugget at 18,000'. A 26" hole will be drilled to 500', 17 1/2" to 5,000', 12 1/4" to 15,650', 8 1/2" to 16,100', and 6 1/2" to 18,500'. See attachments for geological prognosis, casing program, and blowout prevention equipment. An exception to location is required because of the topography. The ownership of all oil and gas leases within 660' radius of the proposed location is common with the ownership of the oil and gas leases of the proposed location.

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

DATE: 1/19/82  
BY: [Signature]

TIGHT  
HOLE

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give location of present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface location and measured and true vertical depths. Give blowout preventer program, if any.

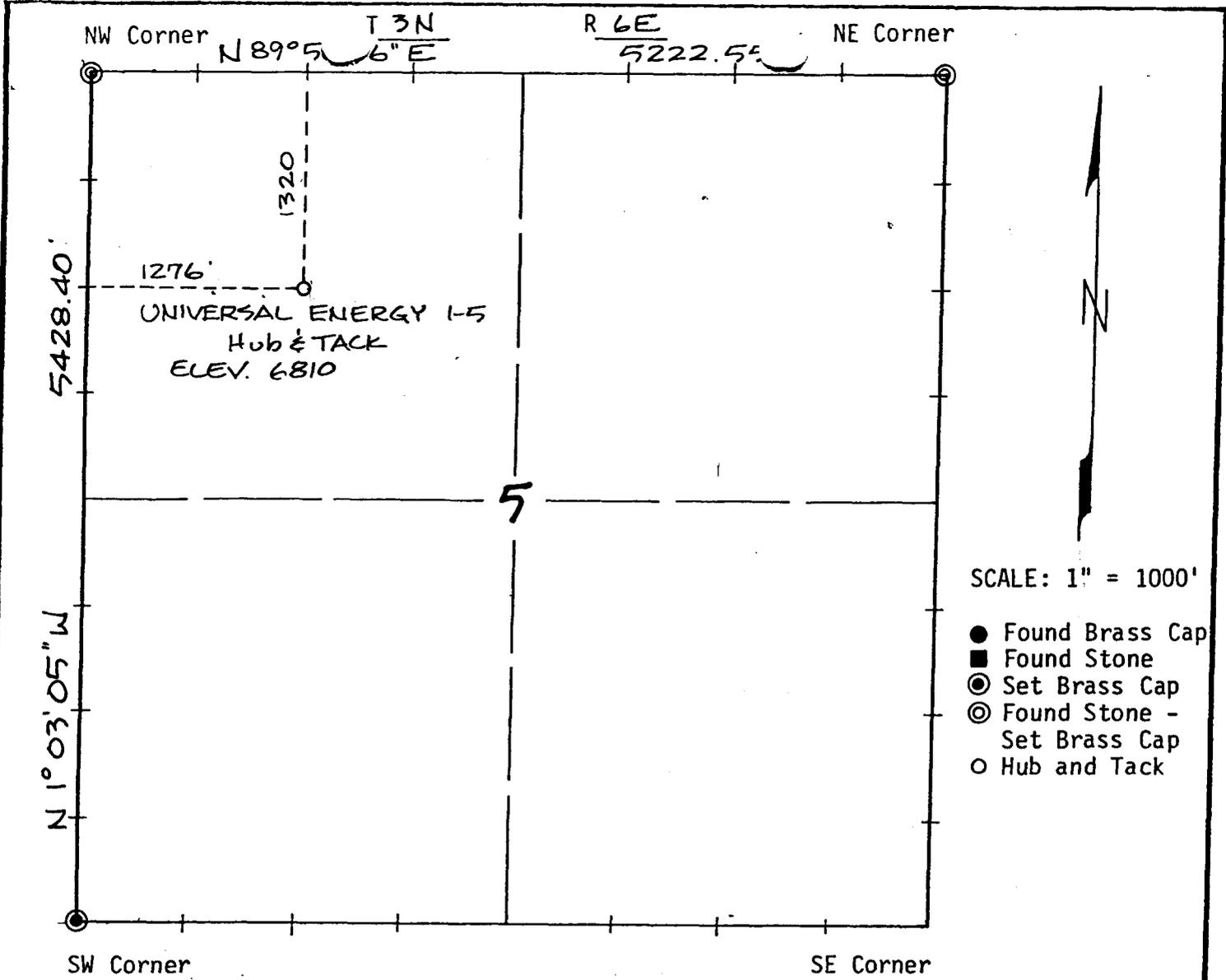
24. Signed: Michael J. Rogers Title: Operator Date: 12/9/81

(This space for Federal or State office use)

Permit No. .... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:



SCALE: 1" = 1000'

- Found Brass Cap
- Found Stone
- ⊙ Set Brass Cap
- ⊙ Found Stone - Set Brass Cap
- Hub and Tack

I, LOYAL D. OLSON III of Evanston, Wyoming certify that in accordance with a request from BILL WALFORD of CASPER WYOMING for GRACE SHURSEN MOORE & ASSOC. made a survey on the 1<sup>st</sup> day of DEC., 1981 for Location and Elevation of the UNIVERSAL ENERGY 1-5 as shown on the above map, the wellsite is in the NORTHWEST 1/4 of Section 5, Township 3N, Range 6E of the SALT LAKE B&N, SUMMIT County, State of UTAH. Elevation is 6810 Feet TOP OF HUB Datum MEAN SEA LEVEL - FROM USCG&GS B.M. LOCATED IN NE 1/4 SEC. 36, T.4N. R.5E, HEINERS CREEK QUADRANGLE, UTAH, 1964.

Reference point \_\_\_\_\_  
 Reference point \_\_\_\_\_  
 Reference point \_\_\_\_\_  
 Reference point \_\_\_\_\_

DATE: DEC. 2, 1981  
 JOB NO.: 81-216      BOOK 94

LOYAL D. OLSON III REGISTERED LAND SURVEYOR No. 4954 STATE OF UTAH
   
 UTAH ENGINEERING & SURVEYING, INC.
   
 808 MAIN STREET, EVANSTON, WYOMING

## GEOLOGICAL PROGNOSIS AND DISCUSSION

<u>FORMATION</u>	<u>ESTIMATED DEPTH *</u>
Frontier	8,000'
Aspen	9,500'
Kelvin	10,000'
Morrison	13,900'
Stump	14,200'
Preuss	14,400'
Salt	15,650'
Twin Creek	16,000'
Nugget	18,000'
TD	18,500'

\* The formation tops were estimated from offset wells and could vary significantly from actual formation tops.

The zone of primary interest is the Nugget.

Oil and/or gas can be expected in the producing horizons.  
H<sub>2</sub>S is present in the Phosphoria and below.

## CASING AND CEMENTING PROGRAM

### Conductor Pipe:

Set of 80' of 30" casing and cement from the surface with Redi-mix concrete.

### Surface Casing:

The following string of 20" OD surface casing is recommended:

<u>Sec.</u>	<u>Bottom</u>	<u>Length</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>
1	500'	500'	94#	K-55	ST&C

Cement the surface casing with 700 sacks of Halliburton light cement containing 2% CaCl<sub>2</sub>, ¼ pps flocele, and 0.75% CFR-2, followed by 150 sxs. Class "G" containing 2% CaCl<sub>2</sub> and 0.75% CFR-2. (The volumes shown are 100% excess.)

Run a guide shoe and a sting-in float collar one joint above the shoe. Baker-lok each connection below the float collar and the pin end of the float collar. Place one centralizer in the center of the first two joints and one centralizer on every other collar for the next 200'. Sting into the float collar with the drill pipe and cement. Have a standby pump truck.

### Intermediate Casing:

The following string of 13 3/8" OD casing is recommended:

<u>Sec.</u>	<u>Bottom</u>	<u>Length</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>
1	5000'	5000'	72#	N-80	ST&C

Run a guide shoe and a differential fill collar two joints above the shoe. Place a centralizer in the center of the first two joints. Centralize the next 900' of casing by placing one centralizer on every other collar. Baker-lok the pin end of the differential fill collar and all connections below the differential fill collar.

Cement with 475 sxs. Halliburton light cement containing ¼ pps Flocele and 0.75% CFR-2 followed by 150 sxs. of Class "G" cement containing 0.75% CFR-2 and retarded to a four hour thickening time at estimated circulating bottom hole temperatures. Reciprocate the casing while cementing and have a standby pump truck. (Volumes shown are 50% excess and assume 1000' of fill behind the casing.)

Intermediate Casing:

The following string of 9 5/8" OD casing is recommended:

<u>Sec.</u>	<u>Bottom</u>	<u>Length</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>
1	15,650'	2650'	53.5#	S-95	LT&C
2	13,000'	3400'	47.0#	S-95	LT&C
3	9,600'	5300'	43.5#	S-95	LT&C
4	4,300'	4300'	53.5#	S-95	Buttress

Run a differential fill shoe and differential fill collar two joints above the shoe. Place a centralizer in the center of the first two joints. Centralize the next 900' of casing by placing one centralizer on every other collar. Also centralize the casing across all possible producing zones. Baker-lok the pin end of the differential fill collar and all connections below the differential fill collar.

Cement with Halliburton light cement containing 1/2 pps Flocele and 0.75% CFR-2 followed by 150 sxs. of Class "G" cement containing 40% silica flour and 0.75% CFR-2 and retarded to a six hour thickening time at estimate bottom hole circulating temperatures. Cement volumes should be calculated from a caliper log plus 10% excess. Bring cement 500' above any anticipated producing zones. Two stages may be necessary. A standby pump truck is recommended.

Since this string of casing will weigh nearly 700,000# when run, a torque-turn system should be used to monitor the make-up of each connection. Also, a casing inspection log should be run after drilling out the float equipment. This base log can be used to evaluate the internal wear caused while drilling.

7 5/8" OD liner:\*

The following 7 5/8" OD liner is recommended:

<u>Sec.</u>	<u>Bottom</u>	<u>Length</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>
1	16,100'	700'	39#	P-110	Hydril SFJ-P

Run a differential fill shoe and a differential fill collar two joints above the shoe. Baker-lok the pin end of the differential fill collar and all connections below the differential fill collar.

Cement with 150 sxs. of Class "G" cement containing 18% salt, 0.8% Halad 22-A, 35% silica flour, 0.75% CFR-2, 0.25% DeAir. Retard cement to six hours at the estimated circulating temperature. A standby pump truck is recommended. (Volume estimated is 25% excess).

5 1/2" OD Liner:\*

The following 5 1/2" OD liner is recommended:

<u>Sec.</u>	<u>Bottom</u>	<u>Length</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>
1	18,500'	2600'	23#	N-80	LT&C

Run a differential fill shoe and differential fill collar two joints above the shoe. Centralize the casing by placing one centralizer in the middle of the first two joints, and one centralizer on every other collar for the next 400'.

Cement with Class "G" cement containing 0.75% CFR-2 and 40% silica flour. Retard the cement to a six hour thickening time at estimated bottom hole circulating temperatures. The actual volume can be calculated from the caliper log plus 10%.

\* When designing a casing string to be set through a salt section, a collapse resistance of 1 psi/ft should be used. Casing set through this section should have a minimum collapse resistance of 16,100 psi; however, that casing may be hard to locate. No 7 5/8" casing having a drift of 6.5 inches is available with a collapse resistance of 16,100 psi. Therefore, it is recommended that the 5 1/2" liner be run through the 7 5/8" liner. The collapse resistance of the 5 1/2" liner should exceed 1 psi/ft of setting depth. If the salt section is encountered as expected, 450' of high strength casing should be run from 15,600' - 16,050'. The 23#/ft, N-80 casing can be run above and below the salt section. The 5 1/2" liner can be run from 15,200' to 18,500'.

Some 5 1/2" casings that have a collapse resistance greater than 16,100 psi are:

5 1/2", 23.00#/ft, V-150,	LT&C	Collapse resistance = 18,390 psi
5 1/2", 23.00#/ft, RS-125**,	LT&C	Collapse resistance = 16,510 psi
5 1/2", 20.00#/ft, RS-140**,	LT&C	Collapse resistance = 16,080 psi
5 1/2", 23.00#/ft, RS-140**,	LT&C	Collapse resistance = 17,290 psi

5 1/2" OD Liner:

<u>Sec.</u>	<u>Bottom</u>	<u>Length</u>	<u>Weight</u>	<u>Grade</u>	<u>Connection</u>
1	18,500'	2,450'	23#	N-80	LT&C
2	16,050'	450'	23#	V-150	LT&C
3	15,600'	400'	23#	N-80	LT&C

\*\* RS-125 and RS-140 are manufactured by Republic Steel.

## PRESSURE CONTROL EQUIPMENT

For the 20" casing, the blowout preventer stack will consist of:

A 2000# Working Pressure Annular Preventer

A 5000# Working Pressure choke manifold with a 4" outlet to the BOP stack and three outlets on the discharge side.

The Annular Preventer and choke manifold will be nipped up on the 20" surface casing, and tested to 500 psi.

For the 13 3/8" casing, the blowout preventer stack will consist of:

A 3000# Working Pressure Annular Preventer (minimum)

A 3000# Working Pressure Ram Type Preventer with 1 set of pipe rams and 1 set of blind rams if available.

A 3000# Working Pressure Choke Manifold with 4" outlets to the BOP stack and three outlets on the discharge side.

All BOP equipment including the pipe rams, blind rams, annular preventer and choke manifold will be nipped up on the 13 3/8" intermediate casing which will be set at approximately 5000'. Before drilling out of the 13 3/8" casing, test the BOP stack safety valves, kelly cock, and choke manifold to a minimum of 2500 psi.

For the 9 5/8" casing, the blowout preventer stack will consist of:

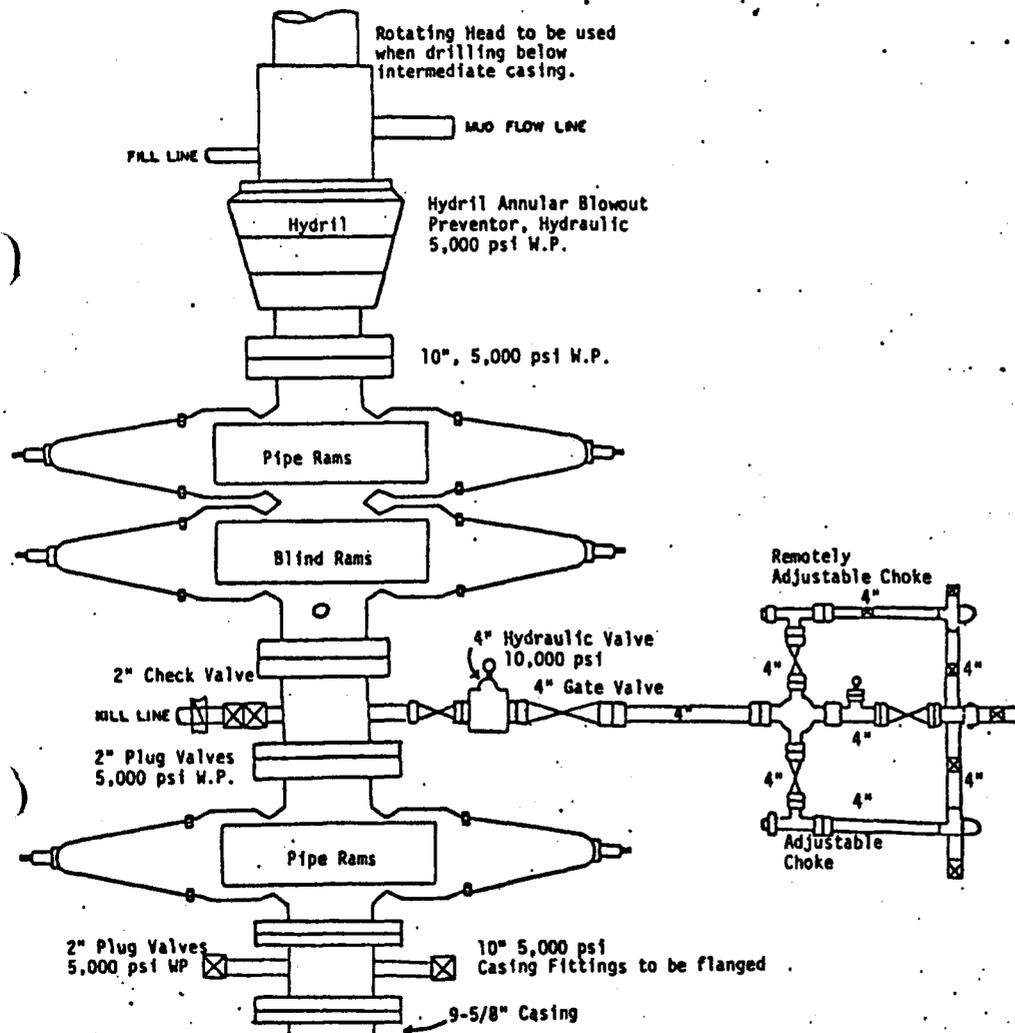
A 5000# Working Pressure Annular Preventer

A 5000# Working Pressure Ram Type Preventer with 2 sets of pipe rams and 1 set of blind rams.

A 5000# Working Pressure Choke Manifold with a 4" outlet to the BOP stack and three outlets on the discharge side.

All BOP equipment including double pipe rams, single blind rams, annular preventer, and choke manifold will be nipped up on the 9 5/8" intermediate casing which will be set at approximately 15,650'. Before drilling out of the 9 5/8" casing, test the BOP stack, safety valves, kelly cock, and choke manifold to 5000 psi.

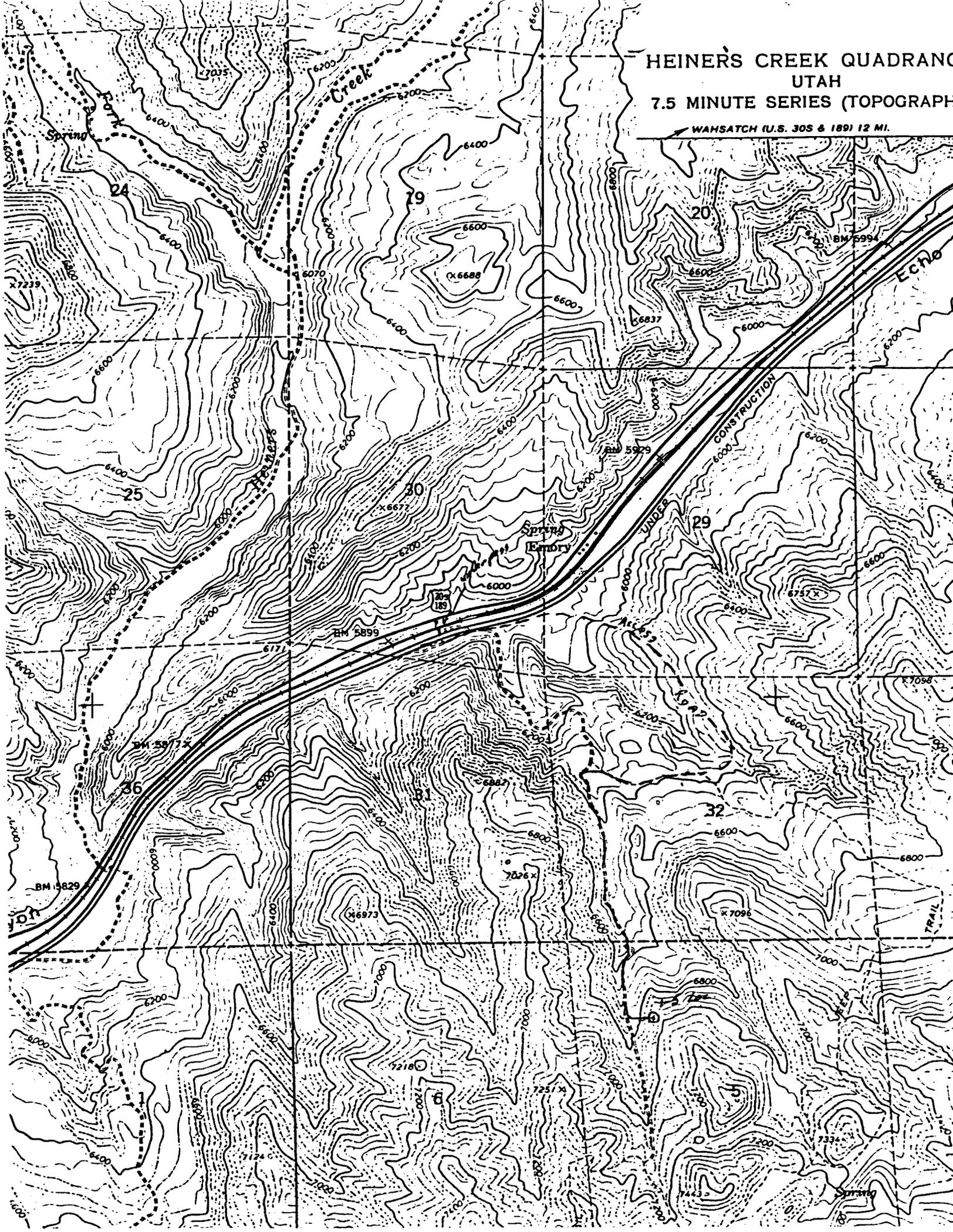
1. A kelly cock valve will be kept in the drilling assembly while drilling.
2. Procedures to handle a kick in both classic and non-classic manner will be posted in a prominent place by the company representative. This will eliminate confusion as to policy.
3. Company representative and toolpusher shall be responsible to ensure all drilling crews are familiar with the procedures.
4. An inside BOP shall be kept on the rig floor at all times.
5. A rotating head, degasser, mud/gas separator, PVT and remote control choke will be installed before drilling out of the 13 3/8" casing.
6. The BOP equipment will be tested every 30 days as required by the USGS.
7. While tripping, the hole will be filled every 10 stands of drill pipe and every 3 stands of collars.
8. A slow pump rate, used in kill procedures, will be recorded daily.



1. Blowout preventers, master valve, plug valve and all fittings must be in good condition. Use new API Sealing Rings.
2. All fittings (gates, valves, etc.) to have pressure rating equivalent to preventers. Valves to be flanged and at least 2" unless otherwise specified. Valves next to BOP to be nominal 3".
3. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
4. Safety valve must be available on rig floor at all times and with proper connections. The I.D. of safety valve should be as great as I.D. of tool joints of drill pipe.
5. Kelly safety valve installed, to have same working pressure as BOP's.
6. All lines and controls to preventors must be connected and tested before drilling out of surface pipe.
7. BOP's must be fluid operated, complete with accumulator. Controls may be either on the floor or ground near steps from rig floor.
8. Fillup line shall be tied to drilling nipple with connection below and approximately 90° to the flow line.
9. Gauge will be installed for testing but removed while drilling.
10. If spool is not used, the choke line can be connected to BOP side outlet, below bottom rams.
11. Casinghead and casinghead fittings to be furnished by
12. Chokes will be adjustable.
13. One side of casinghead may be bull plugged.

HEINER'S CREEK QUADRANGLE  
UTAH  
7.5 MINUTE SERIES (TOPOGRAPHIC)

WAHSAATCH (U.S. 30S & 189) 12 MI.



\*\* FILE NOTATIONS \*\*

DATE: December 18, 1981

OPERATOR: Universal Energy

WELL NO: Universal Energy Champlin #1-5

Location: Sec. 5 T. 3N R. 6E County: Summit

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-043-30194

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_  
\_\_\_\_\_

Director: OK as per rule C-3(c)  
\_\_\_\_\_

Administrative Aide: As Per Rule C-3(c), needs bond. ok on any other oil or gas wells.  
\_\_\_\_\_

APPROVAL LETTER:

Bond Required:

Survey Plat Required:

Order No. \_\_\_\_\_

O.K. Rule C-3

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

Lease Designation Fee

Plotted on Map

Approval Letter Written

Hot Line

P.I.

January 22, 1982

Universal Energy  
P. O. Box 146  
Tulsa, Oklahoma 74101

RE: Well No. Universal Energy Champlin #1-5  
Sec. 5, T. 3N, R. 6E  
Summit County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas/oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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:

CLEON B. FEIGHT - DIRECTOR  
Office: 533-5771  
Home: 466-4455

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 43-043-30194.

Sincerely,

DIVISION OF OIL, GAS AND MINING



Cleon B. Feight  
Director

CBF/as  
Enclosure  
cc: OGM



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 30, 1982

Universal Energy Corporation  
P. O. Box 146  
Tulsa, Oklahoma 74101

Re: Well No. Universal Energy  
Champlin #1-5  
Sec. 5, T. 3N, R. 6E.  
Summit County, Utah

Gentlemen:

In reference to the above mentioned well, 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, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location 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

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse  
Clerk Typist

CF/cf



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 30, 1982

OCT 4 1982

Universal Energy Corporation  
P. O. Box 146  
Tulsa, Oklahoma 74101

Re: Well No. Universal Energy  
Champlin #1-5  
Sec. 5, T. 3N, R. 6E.  
Summit County, Utah

Gentlemen:

In reference to the above mentioned well, 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, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location 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

*Cari Furse*

Cari Furse  
Clerk Typist

CF/cf

October 4, 1982

State of Utah  
Natural Resources & Energy  
4241 State Office Building  
Salt Lake City, UT 84114

Attention: Cari Furse

Re: Universal Energy  
Champlin #1-5  
Section 5, T3N, R6E  
Summit County, Utah

Gentlemen:

Reference is made to your letter of September 30, 1982 concerning the drilling of the above captioned well. Please be advised that Universal Energy plans to begin drilling operations on this well by November 1.

We will be sending the necessary forms at the time operations begin.

Sincerely,

UNIVERSAL ENERGY CORPORATION

  
Gene Buck, Vice President  
Exploration/Geology

GB:rdj  
Enclosures

**RECEIVED**  
OCT 07 1982

DIVISION OF  
OIL, GAS & MINING



STATE OF UTAH  
NATURAL RESOURCES & ENERGY  
Oil, Gas & Mining

Scott M. Matheson, Governor  
Temple A. Reynolds, Executive Director  
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 3, 1983

Universal Energy Corporation  
P. O. Box 146  
Tulsa, Oklahoma 74101

Re: Well No. Champlin # 1-5  
Sec. 5, T. 3N, R. 6E.  
Summit County, Utah

Gentlemen:

In reference to the above mentioned well, 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, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a firm second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

DIVISION OF OIL, GAS AND MINING

Cari Furse  
Well Records Specialist

CF/cf

May 17, 1983

CONFIDENTIAL

State of Utah  
Natural Resources & Energy  
4241 State Office Building  
Salt, Lake City, UT 84114

RE: Well No. Champlin #1-5  
Sec. 5, T. 3N, R. 6E.  
Summit County, Utah

Gentlemen:

In reference to your letter of May 3, 1983, regarding the Champlin #1-5, we do not intend to drill this well at this time.

Sincerely,

LOCATION ABANDONED

*Teresa Thompson*  
Teresa Thompson

RECEIVED

MAY 24 1983

DIVISION OF  
OIL, GAS & MINING