

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE  WATER SANDS LOCATION INSPECTED SUB REPORT abd

*Application rescinded 5-11-85*

DATE FILED 12-19-83

LAND: FEE & PATENTED  STATE LEASE NO

PUBLIC LEASE NO

INDIAN

DRILLING APPROVED: 1-20-84 OIL (Cause No. 139-8)

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR

PRODUCING ZONES:

TOTAL DEPTH

WELL ELEVATION

DATE ABANDONED

*LA 5-11-85*

FIELD UNDESIGNATED

*2/86*

UNIT:

COUNTY: DUCHESNE

WELL NO: BROTHERSON 1-30B3

API NO 43-013-30900

LOCATION 1980' FSL FT. FROM (N) (S) LINE. 1400' FWL

FT. FROM (E) (W) LINE.

NESW

14 - 14 SEC.

30

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
2S	3W	30	WESTERN ALLIANCE PETROLEUM				

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

5. Lease Designation and Serial No.

Fee

6. If Indian, Allottee or Tribe Name

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

7. Unit Agreement Name

8. Farm or Lease Name

Brotherson

9. Well No.

1-30B3

10. Field and Pool, or Wildcat  
~~UNDESIGNATED~~  
Attachment

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

Sec. 30-T2S-R3W, USM

12. County or Parrish 13. State

Duchesne, Utah

2. Name of Operator

WESTERN ALLIANCE PETROLEUM CORPORATION

3. Address of Operator

P.O. Box 1075, Roosevelt, Utah 84066

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

1400' FWL, 1980' FSL (NESW)

At proposed prod. zone  
Same

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

2 1/2 miles west of Upalco, Utah

15. Distance from proposed\* location to nearest property or lease line, ft.

(Also to nearest drlg. line, if any) 1400'

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

NA

16. No. of acres in lease

640

17. No. of acres assigned to this well

640

19. Proposed depth

13,500'

20. Rotary or cable tools

Rotary

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

5965 Ungraded ground

22. Approx. date work will start\*

December 26, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
30"	20"		40'	200 CF - to surface
12 1/4"	9-5/8"	36	2000'	400 CF
8-3/4"	7"	26,29,32	10400'	700 CF
6"	5"	18	10300-13500'	700 CF

This well is proposed to test the Wasatch Formation. No well has previously been drilled in this section.

Surface damages have been settled with the surface owner.

The well is to be drilled from surface to TD with fresh water and/or fresh gell mud. The mud system is to be weighted, as necessary, with barite, to control pressure.

BOPE will be installed after setting the surface pipe, and used in accordance with the attached diagram.

Surveyor's plat and BOPE diagram is attached. Water will be furnished by the landowner, and an application for the change in water rights will be filed with the State Engineer and a copy to your office.

**THIS WELL IS TO BE HELD CONFIDENTIAL.**

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

*Thomas K. Coan*

Title

Consultant

Date December 19, 1983

(This space for Federal or State office use)

Permit No.

Approval Date

APPROVED BY THE STATE

OF UTAH DIVISION OF  
OIL, GAS, AND MINING

Approved by

Title

Conditions of approval, if any:

DATE:

BY:

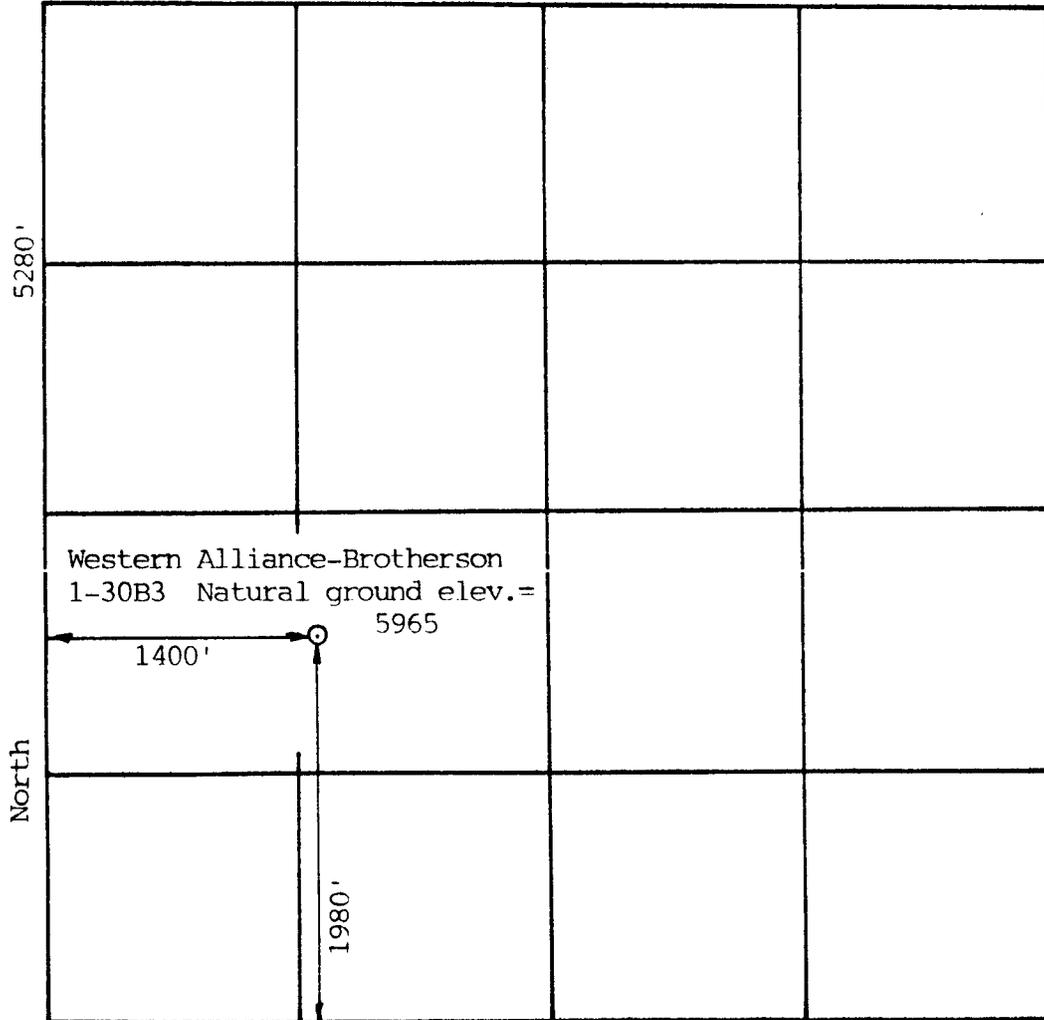
SECTION 30  
 TOWNSHIP 2 SOUTH, RANGE 3 WEST  
 UINTAH SPECIAL BASE AND MERIDIAN  
 DUCHESNE COUNTY, UTAH

WESTERN ALLIANCE PETROLEUM CO.

WELL LOCATION: N.E. ¼, S.W. ¼

(Found stone)

Section line never surveyed



North

North

(Found stone)

Var. 16°27' E

78.76 Chains

Section data obtained from G.L.O. plat.  
 Job No. 187



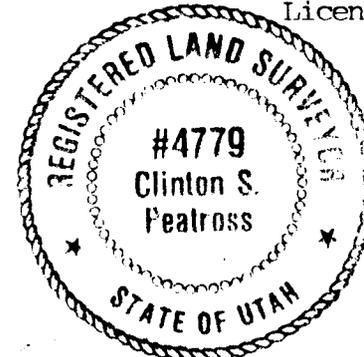
SCALE 1"=1000'

SURVEYOR'S CERTIFICATE

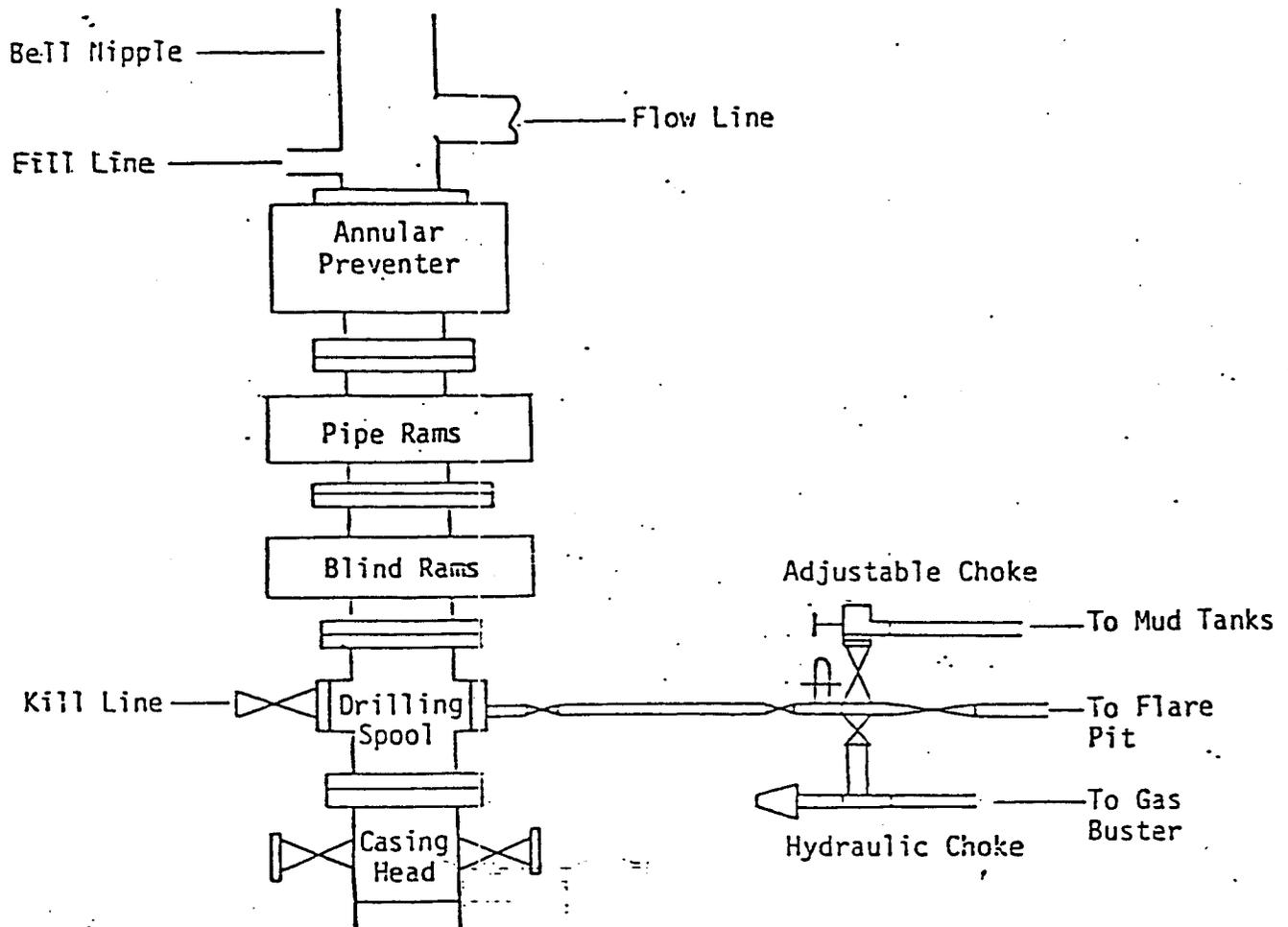
I, Clinton S. Peatross, Duchesne, Utah, do hereby certify that I am a Registered Land Surveyor, and that I hold License No. 4779, as prescribed by the laws of the State of Utah, and that I have made a survey of the oil well location, as shown on this plat.

12/19/03  
 Date

Clinton S. Peatross  
 Clinton S. Peatross  
 License No. 4779 (Utah)



## BLOW OUT PREVENTION EQUIPMENT



Minimum 3,000 PSI BOPE is to be installed after setting surface pipe. All preventers are to be tested to 1500 PSI prior to drilling out casing shoe.

Minimum 5,000 PSI BOPE is to be installed after setting the long string. The pipe rams and blind rams are to be tested to 5,000 PSI and the annular preventer to 1,500 PSI prior to drilling out shoe.

All auxiliary BOPE will be tested to appropriate pressures when BOP'S are tested. (Manifold, upper and lower Kelly cocks, valves, and inside BOP).

After drilling the shoe, the casing seat will be pressure tested to an equivalent mud weight of 13.5 ppg.

WELL PROGNOSIS

1. Surface Formation: Uinta Formation

2. Estimated Formation Tops:

Green River Formation           7,300  
 Wasatch Formation               10,300

3. Expected Mineral Bearing Depths:

Fresh Water                       Surface to 500'  
 Saline Water                      500' to TD  
 Oil & Gas                         7000' to TD

4. Casing Program:

All casing is to be new

Depth	Bit	Casing	Weight	Grade	Cement
Surf - 40'	30"	20"	Line Pipe		Cement to Surface
Surf - 2000'	12-1/4"	9-5/8"	36#	K55	400 CF
Surf - 10,400'	8-3/4"	7"	26,29,32#	N80	700 CF
10,300 - 13,500'	6"	5"	18#	S95	700 CF

5. Pressure Control - See Attached Diagram:

Minimum 3000 PSI Double rams to be installed after setting Surface Pipe.

5000 PSI Double rams with Spherical BOP to be installed after setting 7", Long String.

BOP's to be tested to 3000 psi after installation, and operated daily.

6. Drilling Mud:

Well to be drilled to 6500' with fresh water. Fresh gel mud, weighted with barite, as required, will be used from 6500' to TD. A minimum of 200 bbls of mud will be maintained in the mud tanks during normal operations. After setting the Long String, a minimum of 1000 sacks of barite will be on location.

7. Auxillary Equipment:

(1) Top and bottom kelly cocks, (2) PVT equipment, and (3) stabbing valve will be maintained on the drilling floor, after reaching the top of the Wasatch Fm. A Choke manifold, with automatic choke, and a gas buster will also be available, when drilling overpressured intervals.

8. Formation Evaluation:

No cores or DST's are anticipated.

DIL-GR logs will be run from the Surface Pipe to TD. CNL-FDC and mud logs will be run from 8000' to TD.

9. Drilling Hazards:

Overpressured intervals are expected in the lower Wasatch Fm. Pressure control equipment, weighted muds, and mud monitoring, previously outlined, will be adequate to maintain control of the well.

No other drilling Hazards are anticipated.

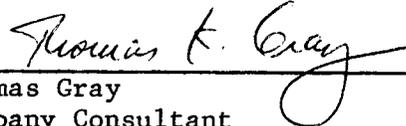
10. Timing:

The anticipated spud date is January 16, 1984. Estimated drilling time is 70 days. The completion will take another 15 days.

11. ✓ Water:

Water application to State of Utah for use of water from Lake Fork Irrigation Company.

December 20, 1983

  
\_\_\_\_\_  
Thomas Gray  
Company Consultant

Dear Noran:

Please attach  
to APD's submitted  
on 12/19/83.

Thanks  
Tom

OPERATOR WESTERN ALLIANCE PETRO CORP DATE 12-20-83

WELL NAME BROTHERSON 1-30B3

SEC NESW 30 T 25 R 3W COUNTY DUCHEPNE

43-013-30900  
API NUMBER

FELE  
TYPE OF LEASE

POSTING CHECK OFF:

**CONFIDENTIAL**

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

NO OTHER WELL IN SECTION, HOWEVER THE PROPOSED LOCATION IS IN THE WINDING 9 SEC.

CHIEF PETROLEUM ENGINEER REVIEW:

1/20/84 Topographic exception to #139-8 ✓

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

139-8

9-20-72

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

1 WATER

Prevents spacing Submittal of adequate evidence to justify necessity for topographic exception to necessary prior to spacing.

**CONFIDENTIAL**

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION.

VERIFY ADEQUATE AND PROPER BONDING *NO BOND AS OF 12-20-83*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER 129-8

UNIT \_\_\_\_\_

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.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

January 20, 1984

Western Alliance Petroleum Corporation  
P. O. Box 1075  
Roosevelt, Utah 84066

RE: Well No. Brotherson 1-30B-3  
NESW Sec. 30, T. 2S, R. 3W  
1980' FSL, 1400' FWL  
Duchesne County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Order of Cause No. 139-8 dated September 20, 1972, 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.
2. Submittal of adequate evidence to justify necessity for topographic exception is necessary prior to spudding.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Chief Petroleum Engineer, Telephone (801) 533-5771 (Office), 571-6068 (Home).

The API number assigned to this well is 43-013-30900.

Sincerely,



R. J. Firth  
Chief Petroleum Engineer

RJF/as  
Enclosures



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 11, 1985

Western Alliance Petroleum Corp.  
717 Seventeenth Street #2420  
Roosevelt, Utah 84066

Gentlemen:

Re: Well No. Brotherson 1-30B-3 - Sec. 30, T. 2S., R. 3W.,  
Duchesne County, Utah - API #43-013-30900

Due to excessive time delay in commencing drilling operations approval to drill the subject well is hereby rescinded, effective one calendar month from the date of this notice. If any operations have been performed on this well location it is imperative that you notify this division immediately.

A new "Application for Permit to Drill" must be filed with this office for approval, prior to future drilling of the subject location.

Sincerely,

  
John R. Baza  
Petroleum Engineer

cc: Dianne R. Nielson  
Ronald J. Firth  
File

0170S/39