

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE **X** WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

DATE FILED **11-15-85**
 LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **U-14654** INDIAN

DRILLING APPROVED: **11-19-85 - OIL (Cause No. 102-16B)**

SPUDED IN:
 COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:
 GRAVITY A.P.I.

GOR:
 PRODUCING ZONES:

TOTAL DEPTH:
 WELL ELEVATION:

DATE ABANDONED: **LA 7-22-87**
 FIELD: **GREATER CISCO**

UNIT:
 COUNTY: **GRAND**

WELL NO. **WESTERN FEDERAL 16-5** API #**43-019-31215**
 LOCATION **900' FSL** FT. FROM (N) (S) LINE. **1520' FWL** FT. FROM (E) (W) LINE. **SE SW** 1/4 - 1/4 SEC. **5**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
20S	23E	5	PARKER ENERGY TECHNOLOGY				

Please reply to:
2030 East 4800 South,
#202
Salt Lake City, UT 84117

October 15, 1985

RECEIVED

OCT 21 1985

**DIVISION OF OIL
GAS & MINING**

State of Utah
Natural Resources - Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Gentlemen:

Attached please find the original and one copy of Form OGC-1a, "Application for Permit to Drill" the Parker Energy Technology, Western Federal #16-5 location in Section 5, T20S-R23E, SLB&M, Grand County, Utah.

We would appreciate your advising if there is additional information required for this undertaking.

Yours very truly,

PARKER ENERGY TECHNOLOGY



Frank A. Nice
Petroleum Engineer

FAN/yj

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

(Other instructions on reverse side)

U-14654

5. Lease Designation and Serial No.

APPLICATION FOR PERMIT TO DRILL ~~DEEPENED~~ PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work

DRILL [X]

DEEPEEN []

PLUG BACK []

7. Unit Agreement Name

Western Federal

8. Farm or Lease Name

16-5

9. Well No.

GRENEK CISCO
CISCO Springs North

10. Field and Pool, or Wildcat

Sec 5-T20S-R23E

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

SLB&M

Grand County, Utah

b. Type of Well

Oil Well [X]

Gas Well []

Other []

Single Zone [X]

Multiple Zone []

2. Name of Operator

Parker Energy Technology

DIVISION OF OIL
GAS & MINING

3. Address of Operator

2030 East 4800 South, #202, Salt Lake City, Utah

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

At surface

900' FSL & 1520' FWL, Sec 5, T20S-R23E

At proposed prod. zone

Same

SE SW

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

10 miles North of Cisco, Utah

12. County or Parish 13. State

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

900'

16. No. of acres in lease

480

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.

1125'

19. Proposed depth

2500'

20. Rotary or cable tools

Rotary

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

4831' GR

22. Approx. date work will start*

Nov. 15, 1985

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: Size of Hole, Size of Casing, Weight per Foot, Setting Depth, Quantity of Cement. Rows include 11" hole with 8-5/8" casing and 6-3/4" hole with 4 1/2" casing.

New well location projected to test the Mancos Shale indicated potentially productive along trend.

2050' Est. top Mancos Shale formation

Pressure Control Equipment: CIW, 6"-3000#, Type QRC blow out preventor with choke line

Circulating Medium: Air with foam

Logging: Open hole Dual Induction - Sonic - GN log

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

Frank A. Nice

Title

Frank A. Nice
Petroleum Engineer

Date

PH: 2801/278-5365
Oct. 15, 1985

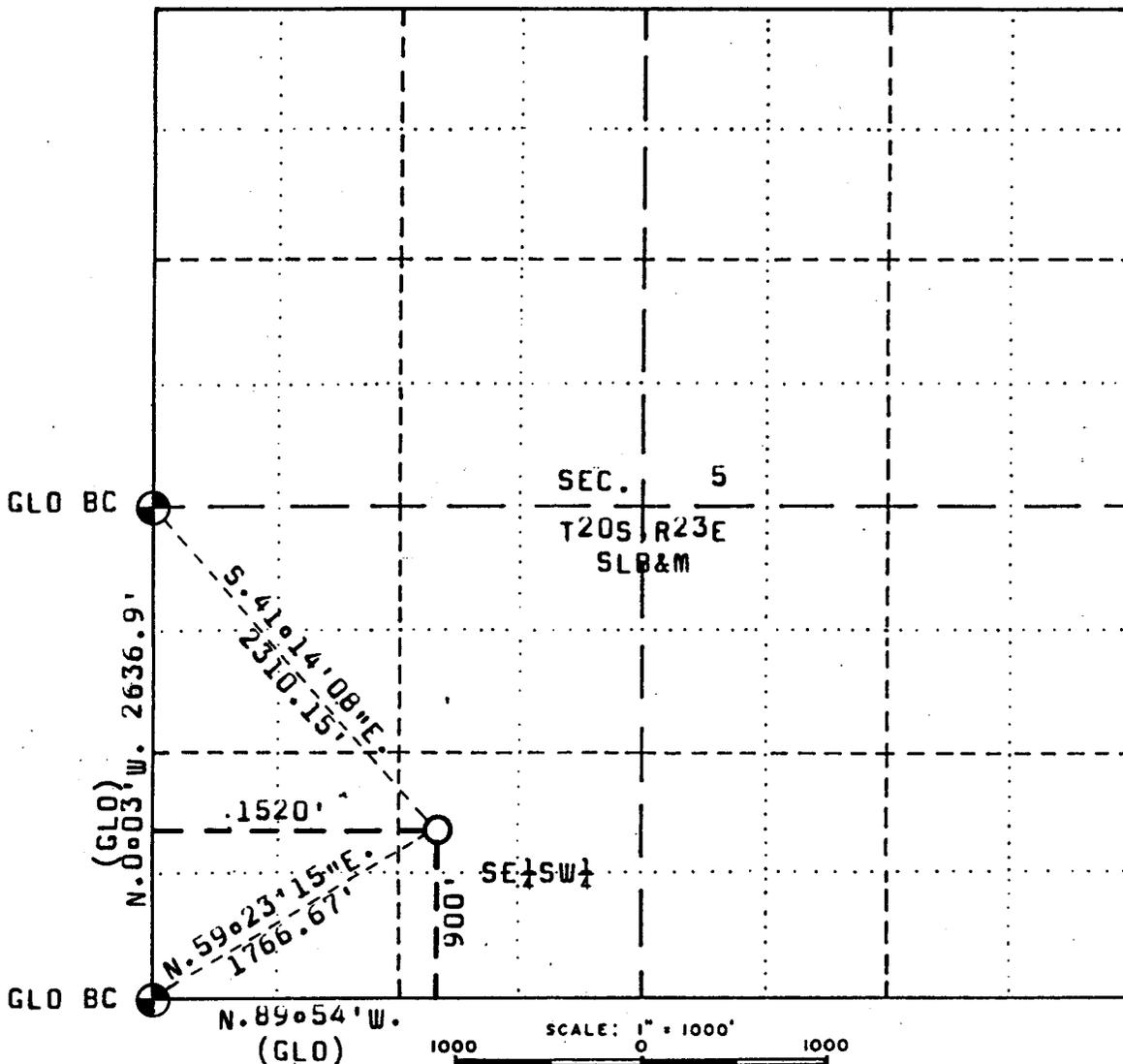
SCOTT CARPENTER

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date

Conditions of approval, if any:

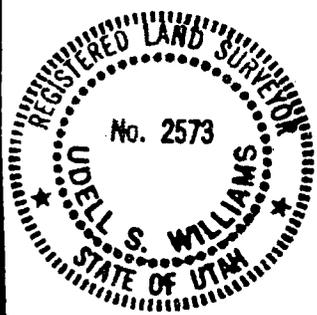


WESTERN FED. LEASE #U-14654
WELL #16-5

Located 900 feet from the South line and 1520 feet from the West line of Section 5, T20S, R23E, SLB&M.

Elev. 4831

Grand County, Utah



SURVEYOR'S CERTIFICATE

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

Udell S. Williams
 UTAH RLS NO. 2573

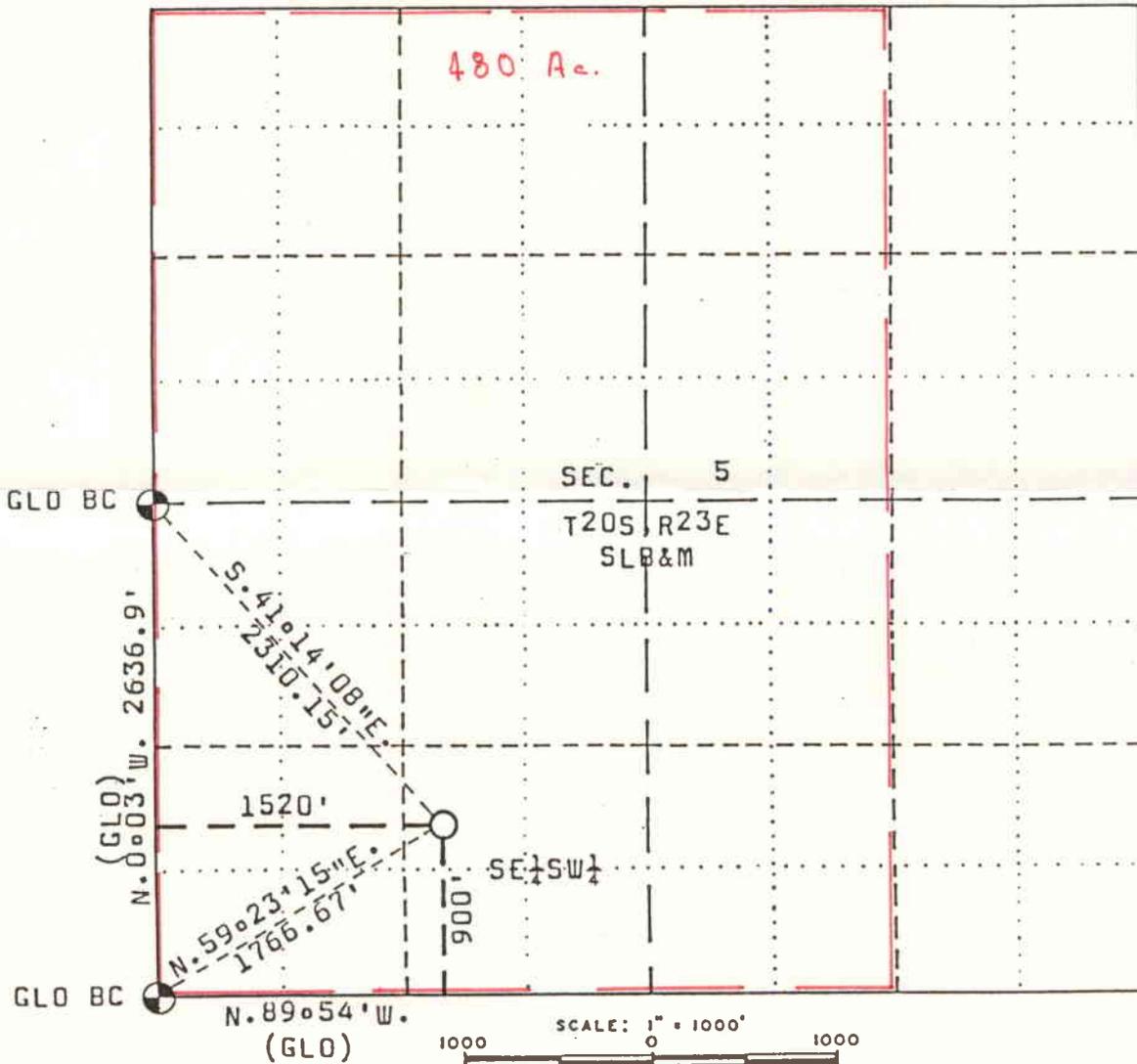


UDELL S. WILLIAMS
 751 Rood Avenue
 Grand Junction, Colorado 81501

PLAT OF
 PROPOSED LOCATION
 WELL #16-5
 SE 1/4 SW 1/4 SECTION 5
 T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 7/12/85
 DRAWN BY: USW DATE: 7/12/85

480 Ac. Lease; being the W $\frac{1}{2}$ and the W $\frac{1}{2}$ of the E $\frac{1}{2}$ of Sec. 5.



WESTERN FED. LEASE #U-14654
WELL #16-5

Located 900 feet from the south line and 1520 feet from the west line of section 5, T20S, R23E, SLB&M

Elev. 4831

Grand county, Utah

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OCT 29 1985



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Udell S. Williams
UTAH RLS NO. 2573



UDELL S. WILLIAMS, INC.
751 Gas & Mining
Grand Junction, Colorado 81501

PLAT OF
PROPOSED LOCATION

WELL #16-5
SE 1/4 SW 1/4 SECTION 5
T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 7/12/85
DRAWN BY: USW DATE: 7/12/85

OPERATOR Parker Energy Technology

DATE 10-24-85

WELL NAME Western Fed 16-5

SEC SE SW 5 T 20S R 23E COUNTY Grand

43-09-31215
API NUMBER

Fed.
TYPE OF LEASE

CHECK OFF:

- PLAT
- BOND
- NEAREST WELL
- LEASE
- FIELD
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

no other well within 400'

Need water permit

Full application received 11/15/85

APPROVAL LETTER:

SPACING: A-3 _____ UNIT c-3-a 102-16B 11/15/79
CAUSE NO. & DATE

c-3-b c-3-c

STIPULATIONS:

1 - water

Please reply to:
2030 E 4800 S, #202
Salt Lake City, UT 84117

November 8, 1985

RECEIVED

NOV 15 1985

DIVISION OF OIL
GAS & MINING

U.S. Department of Interior
Bureau of Land Management
Moab District Office
Branch of Fluid Minerals
P.O. Box 970
Moab, Utah 84532

Gentlemen;

Attached please find the original of Form UT-060-3160-1, Conditions of Approval for Permit to Drill, covering the Parker Energy Technology, Western Federal Lease U-14654, Well No. 16-5, located in Section 5, T20S - R23E, SLB&M, Grand County, Utah.

We would appreciate your advising if there is additional information required for this prospect.

Yours very truly,

PARKER ENERGY TECHNOLOGY



Frank A. Nice
Petroleum Engineer

FAN/yj

encl: Approval packet
xc; Salt Lake City, Houston, Lafayette

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

(Other instructions on reverse side)

U-14654

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Western Federal

8. Farm or Lease Name

16-5

9. Well No.

Greater
Cisco Springs North

10. Field and Pool, or Wildcat

Sec 5-T20S-R23E

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

SLB&M

Grand County, Utah

12. County or Parrish 13. State

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

Parker Energy Technology

3. Address of Operator

2030 East 4800 South, #202, Salt Lake City, Utah

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

900' FSL & 1520' FWL, Sec 5, T20S-R23E

At proposed prod. zone

Same

SE/SW

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

10 miles North of Cisco, Utah

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

900'

16. No. of acres in lease

480

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.

1125'

19. Proposed depth

2500' *measured*

20. Rotary or cable tools

Rotary

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

4831' GR

22. Approx. date work will start*

Nov. 15, 1985

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#	150'	125 Sx
6-3/4"	4 1/2"	10.50#	2500'	250 Sx

New well location projected to test the Mancos Shale indicated potentially productive along trend.

2050' Est. top Mancos Shale formation

Pressure Control Equipment: CIW, 10"-3000#, Type QRC blow out preventor with choke line. Rotating head with packoff.

Circulating Medium: Air with foam

Logging: Open hole Dual Induction - Sonic - GN log

(Craig Carpenter 278-5365)

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

Frank A. Nice

Title

Frank A. Nice
Petroleum Engineer

Date

PH: 801/278-5365
Oct. 15, 1985

(This space for Federal or State office use)

Permit No.

43 019-31215

Approved

Approved by

Conditions of approval, if any:

Title

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

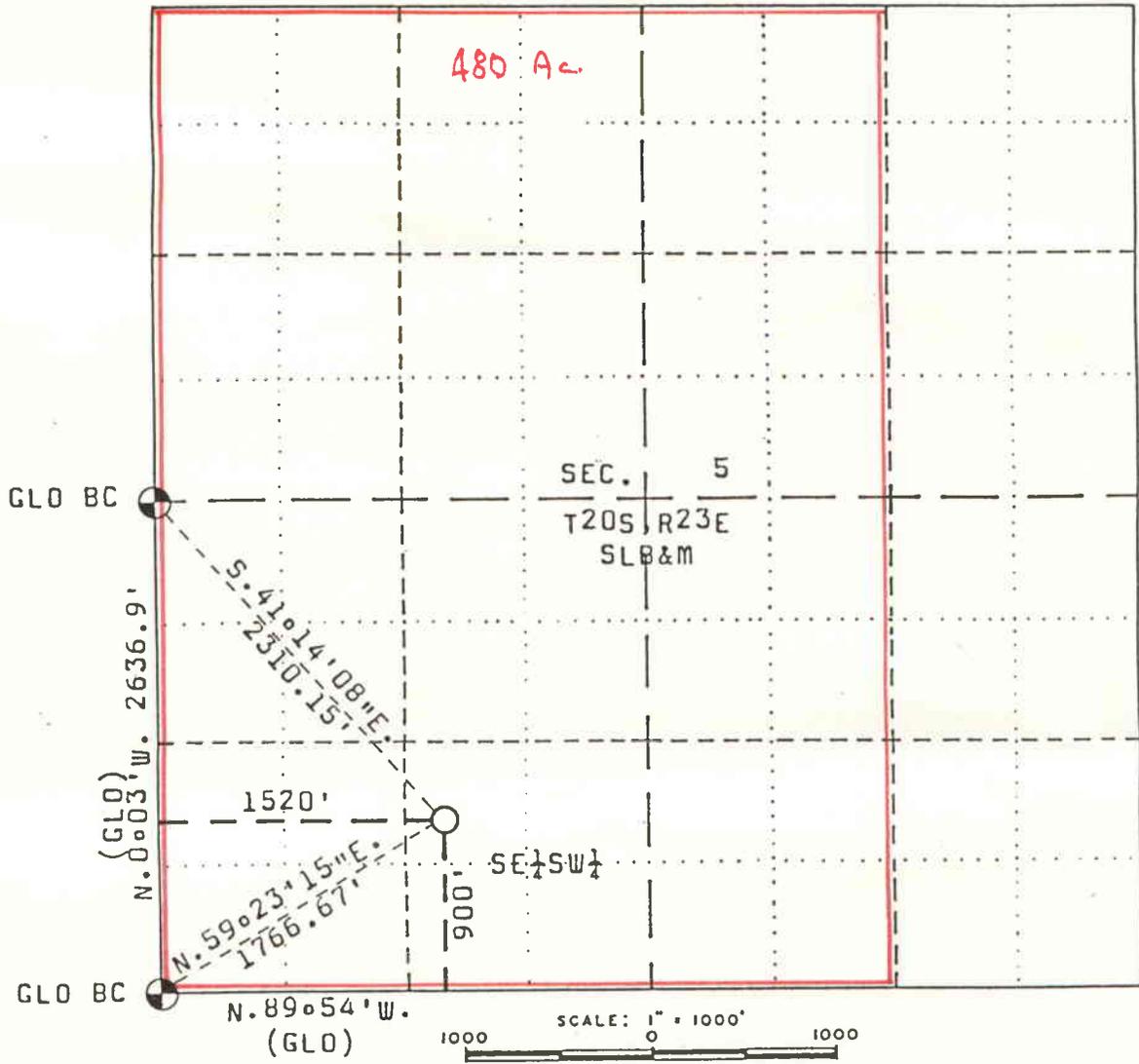
DATE: *11/19/85*

BY: *John R. Davis*

WELL SPACING: *102-16B*

*See Instructions On Reverse Side

11/15/85



480 A-

SEC. 5
T20S, R23E
SLB&M

GLO BC

N. 0° 03' W. 2636.9'

1520'

900'

SE 1/4 SW 1/4

GLO BC

N. 89° 54' W.
(GLO)

SCALE: 1" = 1000'

WESTERN FED. LEASE #U-14654
WELL #16-5

Located 900 feet from the south line and 1520 feet from the west line of section 5, T20S, R23E, SLB&M.

Elev. 4831

Grand County, Utah



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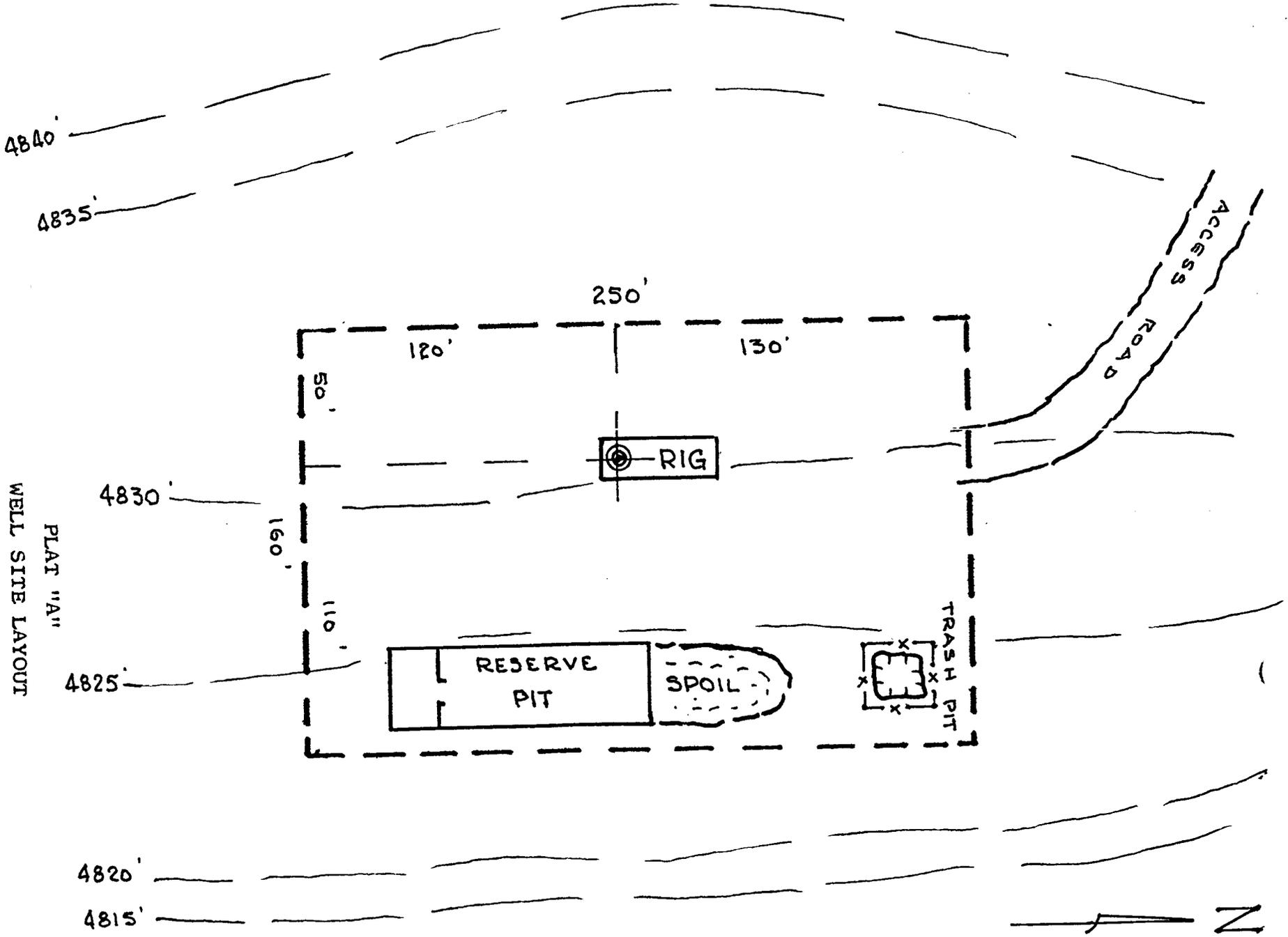
PLAT OF
PROPOSED LOCATION
WELL #16-5
SE 1/4 SW 1/4 SECTION 5
T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 7/12/85
DRAWN BY: USW DATE: 7/12/85

Parker Energy Technology
Western Federal Lease #U-14654
Well No, 16-5

PLAT "A"
WELL SITE LAYOUT

Scale 1" = 50'



BUREAU OF LAND MANAGEMENT
MOAB DISTRICT
CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Parker Energy Technology Well No. 16-5

Location: Sec: 5 T. 20-S R. 23-E Lease No. U-14654

Onsite Inspection Date _____

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to ensure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

<u>Surface Formation</u>	<u>-</u>	<u>Mancos</u>
<u>Estimated Formation Top</u>	<u>-</u>	<u>2050' Mancos Shale</u>

2. Estimated Depth at Which Oil, Gas, Water, or Other Mineral-Bearing Zones Are Expected to Be Encountered:

	<u>Formation</u>	<u>Depth</u>
Expected oil zones:	<u>Mancos Shale</u>	<u>2050'</u>
Expected gas zones:	<u>no</u>	
Expected water zones:	<u>no</u>	
Expected mineral zones:	<u>no</u>	

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment:

<u>1 - 10"-3000#, CIW, Type QRC Blow Out Preventor</u>
<u>1 - 9"-3000#, NL Shaffer, Type 79 Rotating Head</u>
<u>1 - Set of choke lines and blooy lines</u>

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure-tested before drilling casing cement plugs. The Resource Area (will/will not) be notified three days in advance when pressure tests are to be conducted.

4. Casing Program and Auxiliary Equipment: _____
Surface: 8-5/8" OD, 24#, set at 150'. Cemented
with 125 Sx. Top at surface
Production: 4-1/2" OD, 10.50# set at 2500'.
Cemented with 250 Sx. Top at surface.
Anticipated cements tops will be reported as to depth, not the expected number of sacks. The Resource Area (will/will not) be notified three days in advance when running casing strings and cement.

5. Mud Program and Circulating Medium: _____
Air with foam as necessary.

Blooiie line will be misted to reduce fugative dust when air drilling.

6. Coring, Logging and Testing Program: _____
Open hole Dual Induction-Sonic-GN Log will be
run at total depth.

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 description, and all other surveys or data obtained and compiled during the drilling, work-over, 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.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: _____
No abnormal conditions anticipated.
Subnormal bottom hole pressured expected

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the Natural Resource Area at Moab, Utah, forty-eight (48) hours prior to beginning any dirt work on this location.

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 Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date (will/will not) be reported orally to the Area Manager within a minimum of twenty-four (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 twenty-four (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 Oil and Gas Order No. 1, this well will be reported on Form 9-329, "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed directly with the BLM 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 Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed for prior approval of the District Manager, 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 by the District Petroleum Engineer.

Should the well be successfully completed for production, the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) business days following the date on which the well is placed on production.

A first production conference will be scheduled within fifteen (15) days after receipt of the first production report. The Resource Area Office will coordinate the field conference.

No well abandonment operations will be commenced without the prior approval of the District Manager. In the case of newly-drilled dry holes or failures, and in emergency situations,

oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the District Manager within thirty (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 Manager or his representative, or the appropriate surface managing agency.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The marker will be constructed as follows: 4-1/2" casing cemented and extending up 5' above ground level. The top of the marker will be closed or capped.

The following minimum information will be permanently placed on the marker with a plate, cap or beaded-on with a welding torch:

"Fed" or "Ind", as applicable. "Well number, location by $\frac{1}{4}$ section, township and range". "Lease number".

Other: None

B. THIRTEEN-POINT SURFACE USE PLAN

1. Existing Roads:

- a. Location of proposed well in relation to town or other reference point:
10 miles North of Cisco, Utah
- b. Proposed route to location:
From existing dirt road to Parker Energy No. 15-5 well, go 515' E/SE to location.
- c. Plans for improvement and/or maintenance of existing roads:
Existing roadway will be maintained in good condition as required

d. Other: None required.
See plat "B"

2. Planned Access Roads:

- a. The maximum total disturbed width will be 30 feet.
- b. Maximum grades: 6 percent
- c. Turnouts: None required
- d. Location (centerline): None required
- e. Drainage: Natural drainage. Upon completion of well, road will be ditched and crowned
- f. Surface materials: None required
- g. Other: no

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.

3. Location of Existing Wells:
Abandoned: 1 ea 3000' North
Temporarily Abandoned: 1 ea 6500' Northwest
Shut-in: 1 ea 515' Northwest
Producing: 1 ea 1125' Northwest

4. 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 six (6) months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows:

Well head, pump jack and tank battery; Brown

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 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 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 wellhead to the meter along with any other sections occurring on 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.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from:
Hauled from Colorado River at Cisco, approx. 19
miles South of location

A temporary water use permit for this operation will be obtained from the Utah State Engineer Permit applied for. Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of the land.

6. Source of Construction Material:

Pad construction material will be obtained from: _____
Non required

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Source of construction material (~~will/will not~~) be located on lease.

7. Methods of Handling Waste Disposal:

The reserve pit (~~will/will not~~) be lined: _____
Cuttings will be contained in pit at location
Chemical toilets will be used for sewage
Produced fluids will be contained in Frac tank
Garbage will be placed in trash pit

Three sides of the reserve pit will be fenced with barb
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.

All trash must be contained and disposed of by: Containers.
Periodic hauling to trash dump

If burning is required, a permit will be obtained from the State Fire Warden Yes

Produced waste water will be confined to a (~~lined/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).

Other: no

8. Ancillary Facilities:

Camp facilities (~~will~~/will not) be required. They will be located: Day lite operations only.

9. Well Site Layout:

The reserve pit will be located: 70' East of surface location

The top two inches of soil material will be removed from the location and stockpiled separately on an area Northeast of the drill site.
Topsoil along the access road will be reserved in place adjacent to the road.

Access to the well pad will be from: existing dirt road from Parker Energy No. 15-5 well; Go 515' E/SE to location

The trash pit will be located: 1500' Northeast of location

See attached plat "A"

10. 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. Yes

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

The operator or his contractor (~~will~~/~~will not~~) notify the Natural Resource Area at Moab, Utah forty-eight (48) hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

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

The stockpiled topsoil will be evenly distributed over the disturbed areas. Yes

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface. Yes

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage. Yes

The following seed mixture will be used:
in accordance with BLM standards, and thru the
Moab BLM Utah office.

The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed. Yes

Additional Requirements: None
Archaeological survey has previously been
conducted.

11. Surface and Mineral Ownership:
- | | |
|------------------------|--------------------------------|
| <u>Surface:</u> | <u>BLM</u> |
| <u>Mineral:</u> | <u>On file with BLM office</u> |
| <u>Grazing Permit:</u> | <u>Unknown</u> |
| | |
| | |
| | |
12. Other Information: None
-
-
-
-
-
-

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 3162.2.

"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 3164.

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

A cultural resource clearance (~~will~~/will not) be required before any construction begins. If any cultural resources are found during construction, all work will stop and the Area Manager will be notified.

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.

13. Lessee's or Operator's Representative and Certification

Representative:

Name: Mr. Verl Rose
Address: P.O. Box 295
Cisco, Utah 84515
Phone No.: 801-564-3520

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 currently 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:

Fowler Well Service, Grand Junction, CO.

and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Nov. 8, 1985

Date

Frank A. Nice

Name and Title

Frank A. Nice
Petroleum Engineer



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

November 19, 1985

Parker Energy Technology
2030 East 4800 South, #202
Salt Lake City, Utah 84117

Gentlemen:

Re: Well No. Western Federal 16-5 - SE SW Sec. 5, T. 20S, R. 23E
900' FSL, 1520' FWL - Grand County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with the Order of Cause No. 102-16B dated November 15, 1979 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 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 John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

Page 2
Parker Energy Technology
Well No. Western Federal 16-5
November 19, 1985

5. 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 43-019-31215.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRI-STATE
(Other instructions on
reverse side)

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

U-14654

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Western Federal

8. Farm or Lease Name

16-5

9. Well No.

Cisco Springs North

10. Field and Pool, or Wildcat

Sec 5-T20S-R23E

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

SLB&M

Grand County, Utah

12. County or Parrish 13. State

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

Parker Energy Technology

3. Address of Operator

2030 East 4800 South, #202, Salt Lake City, Utah

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

At surface
900' FSL & 1520' FWL, Sec 5, T20S-R23E

At proposal prod. zone

Same

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

10 miles North of Cisco, Utah

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

900'

16. No. of acres in lease

480

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.

1125'

19. Proposed depth

2500'

20. Rotary or cable tools

Rotary

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

4831' GR

22. Approx. date work will start*

Nov. 15, 1985

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#	150'	125 Sx
6-3/4"	4 1/2"	10.50#	2500'	250 Sx

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: Frank A. Nice

Frank A. Nice
Petroleum Engineer

PH: 801/278-5365
Date: Oct. 15, 1985

(This space for Federal or State office use)

Permit No.

Approval Date

/s/ GENE NODINE

DISTRICT MANAGER

Date: 26 NOV 1985

Approved by

Title

Date

Conditions of approval, if any:

CONDITIONS OF APPROVAL ATTACHED

*See Instructions On Reverse Side

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

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

(Other instructions on reverse side)

U-14654

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

Western Federal

8. Farm or Lease Name

16-5

9. Well No.

Cisco Springs North

10. Field and Pool, or Wildcat

Sec 5-T20S-R23E

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

SLB&M
Grand County, Utah

12. County or Parrish 13. State

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

Parker Energy Technology

3. Address of Operator

2030 East 4800 South, #202, Salt Lake City, Utah

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

At surface

900' FSL & 1520' FWL, Sec 5, T20S-R23E

At proposed prod. zone

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Rotary

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4831' GR

22. Approx. date work will start*

Nov. 15, 1985

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11"	8-5/8"	24#	150'	125 Sx
6-3/4"	4 1/2"	10.50#	2500'	250 Sx

New well location projected to test the Mancos Shale indicated potentially productive along trend.

2050' Est. top Mancos Shale formation

Pressure Control Equipment: CIW, 10"-3000#, Type QRC blow out preventor with choke line. Rotating head with packoff.

Circulating Medium: Air with foam

Logging: Open hole Dual Induction - Sonic - GN log

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

Frank A. Nice

Title

Frank A. Nice
Petroleum Engineer

PH: 801/278-5365

Date: Oct. 15, 1985

(This space for Federal or State office use)

Permit No.

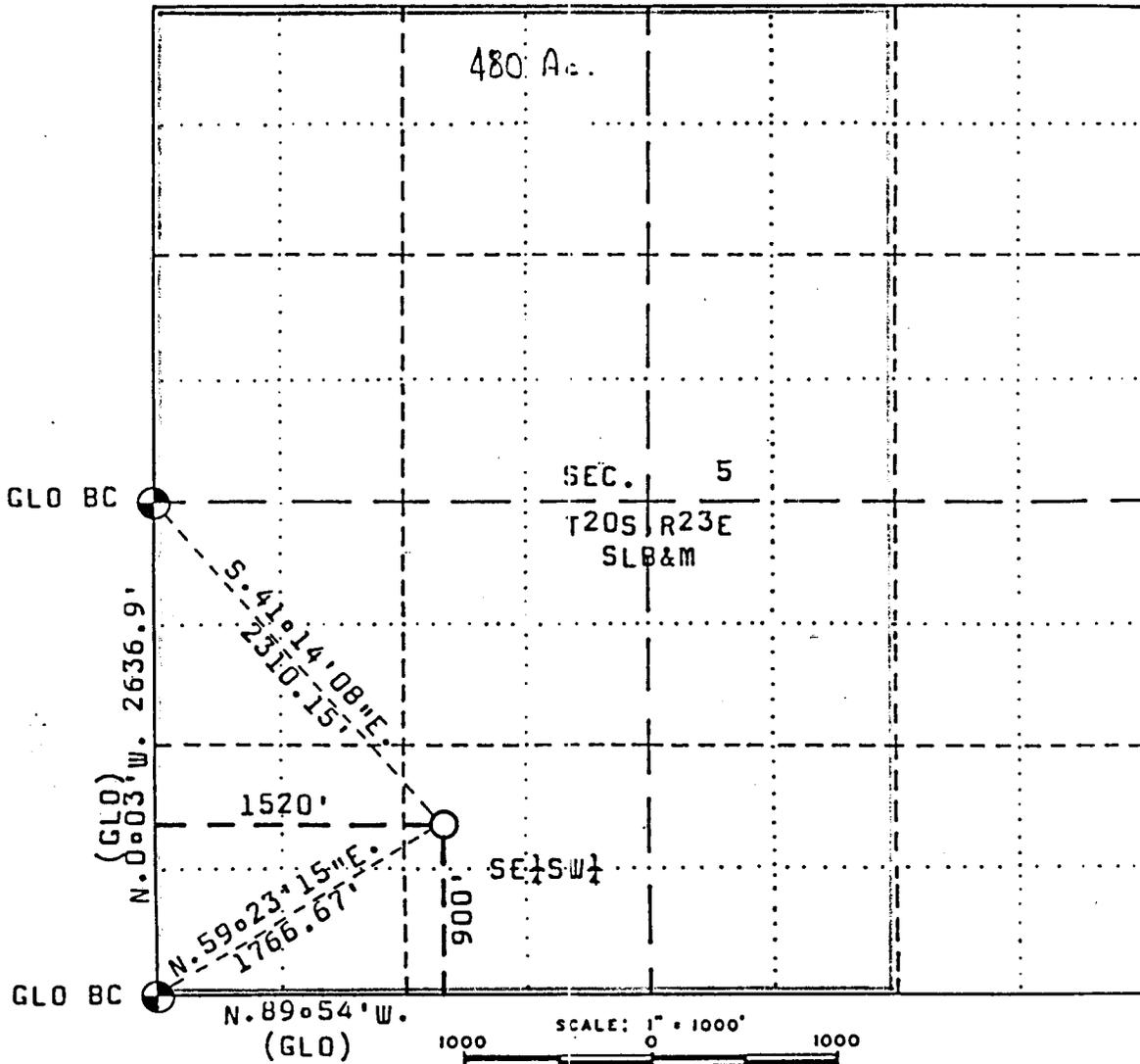
Approval Date

Approved by

Title

Date

Conditions of approval, if any:

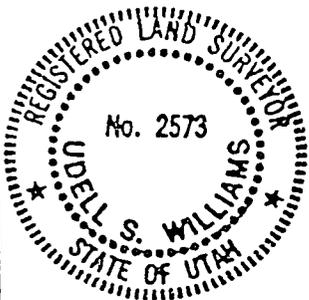


WESTERN FED. LEASE #U-14654
WELL #16-5

Located 900 feet from the south line and 1520 feet
 from the west line of section 5, T20S, R23E, SLB&M.

Elev. 4831

Grand county, Utah



SURVEYOR'S CERTIFICATE

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

Udell S. Williams
 UTAH RLS NO. 2573



UDELL S. WILLIAMS
 751 Rood Avenue
 Grand Junction, Colorado 81501

PLAT OF
 PROPOSED LOCATION

WELL #16-5
 SE 1/4 SW 1/4 SECTION 5
 T20S, R23E, SLB&M

SURVEYED BY: USW DATE: 7/12/85
 DRAWN BY: USW DATE: 7/12/85

Parker Energy Technology
Well No. Western Federal 16-5
Sec. 5, T. 20 S., R. 23 E.
Grand County, Utah
Lease U-14654

CONDITIONS OF APPROVAL

B. SURFACE USE PROGRAM

1. The operator will contact the Grand Resource Area at (801) 259-8193, forty-eight (48) hours prior to beginning any dirt work on this location.
2. A 36" culvert will be placed in the only drainage crossing of the new road.
3. No more than a 16' travel surface will be accepted on the new road.
4. A 36" woven wire fence will be constructed in place of a barbed-wire fence.
5. The top 8" of soil material will be removed, saved, and stockpiled separately.
6. Other than the access, as little dirt work as necessary will be done on this site. It will not be necessary to construct a full-sized pad as shown on Plat "A".
7. Before dirt work begins the driller, contractor, and the BLM representative will meet on location to discuss the lay-out.
8. The following seed mixture will be used:

<u>Species</u>		<u>lbs/acre</u>
<u>Grasses</u>		
Sporobolus airoides	Alkali sacaton	1
Sitanion hystrix	Bottlebrush squirreltail	1
Hilaria jamesii	Galleta (Curlygrass)	1
Oryzopsis hymenoides	Indian ricegrass	2
<u>Forbs</u>		
Melilotus officinalis	Yellow sweetclover	1
Medicago sativa	Alfalfa (Spreader II, Nomad, Ladak)	1

Shrubs

Atriplex canescens	Fourwing saltbush	2
	(White greasewood)	
Eurotia lanata	Winterfat (Whitesage)	<u>2</u>
		11 lbs/ac

Broadcast seed will be applied at double the above rate.

Final location release will be issued when the seeding is shown to be successful (when perennial vegetation is established).

Your contact with the District Office is:

Greg Noble _____, Petroleum Engineer Office Phone: (801)259-6111

Home Phone: 259-8811

District Address:

82 East Dogwood, P.O. Box 970
Moab, Utah 84532

Your contact with the Grand Resource Area Office is:

Jeff Robbins _____ Office Phone: (801)259-8193

Home Phone: 259-7964

Area Office Address:

Sand Flats Road, P.O. Box M
Moab, Utah 84532

EXPRESS MAIL ROUTING SLIP

Pam	<u>pk</u> 4:30
Tami	<u>JA</u> 4:35
Vicky	<u>VC</u> 4:45 12-5
Claudia	<u>ci</u> 2:17 12-6
Stephane	<u>SB</u> 2:29
Charles	<u>CP</u> 2:36 12-6
Rula	<u>3:18</u> 12-6
Mary Alice	<u>MAY</u> 8:17 12-9
Connie	<u>CO</u> 0824 12-9
Millie	_____
Pam	<u>pk</u> 0830

RECEIVED
JUL 21 1987

3162 (U-065)
(U-14654)

DIVISION OF
OIL, GAS & MINING

Moab District
P. O. Box 970
Moab, Utah 84532

JUL 20 1987

Parker Energy Technology
1787 East Fort Union Boulevard, Suite 108
Brookhill Plaza
Salt Lake City, Utah 84121

Re: Rescinding Application for
Permit to Drill
Well No. Western Federal 1605
Sec. 5, T. 20 S., R. 23 E.
Grand County, Utah
Lease U-14654

Gentlemen:

The Application for Permit to Drill the referenced well was approved on November 26, 1985. Since that date, no known activity has transpired at the approved location.

Applications for permit to drill are effective for a period of one year. In view of the foregoing, this office is rescinding the approval of the referenced application.

Should you intend to drill this location at a future date, a new application for permit to drill must be submitted.

If you have any questions, please contact the Branch of Fluid Minerals (801) 259-6111.

Sincerely yours,

/s/ Kenneth V. Rhea

District Manager

cc: State of Utah, Division of Oil, Gas and Mining ✓ ACTING
Grand Resource Area

bcc: U-942, Utah State Office

CFreudiger/cf 7/17/87



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

July 22, 1987

072807

Parker Energy Technology
1787 East Fort Union Blvd.
Suite 108, Brookhill Plaza
Salt Lake City, Utah 84121

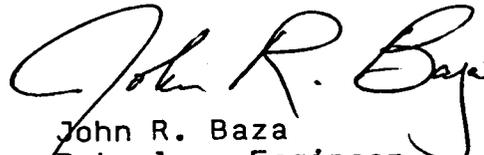
Gentlemen:

RE: Well No. Western Federal 16-5, Sec. 5, T. 20S, R. 23E,
Grand County, Utah, API NO. 43-019-31215

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval, prior to future drilling of the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,


John R. Baza
Petroleum Engineer

sb
cc: BLM-Moab
D. R. Nielson
R. J. Firth
✓ Well file
0327T-91