

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRICAL LOG FILE WATER SANDS LOCAL OR WSPER EE SUB REPORT NO.

DATE FILED 4-27-92

LAND FEL & PATENTED STATE LEASE NO. F. LEASE / STATE

DRILLING APPROVED 6-23-92 (CAUSE NO. 139-42)

SPUDDED IN

COMPLETED F. T. /

INITIAL PRODUCTION

GRAVITY AP

GCR

PERF. LOG /

TOTAL DEPTH

W. ELEVATION

DATE - 5-10-92

FIELD BLUEBELL

LOC.

COUNTY DUCHESNE

ACRES MISS "J" 3-16A1

API NO. 43-013-31359

1089' FNL

1196' FEL

NE NE

1357 16

1S

1W

16

BADGER OIL CORPORATION



APPLIED DRILLING SERVICES, INC.

OILFIELD CONSULTANTS AND OPERATIONS MANAGEMENT

Route 3 Box 3010
Roosevelt, Utah 84066
801-722-5087

April 24, 1992

RECEIVED

APR 27 1992

DIVISION OF
OIL GAS & MINING

Mr. Ronald J. Firth
Associate Director Oil & Gas
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Firth:

Enclosed please find our application to drill the Miss "J" well in Section 16 of T1S, R1W USM and also the Miss "A" well in Section 15 of T1S, R1W, USM. These wells will be completed in the lower Green River formation.

Pursuant to R615-3-3, we are requesting an administrative exception to the applicable Order of the Board in Cause No. 139-42 for the location and siting of these wells. Specifically, based on geographical and engineering data we have enclosed in support of this request, we are of the opinion that production from the proposed wells will be from a producing formation that is separate and distinct from, and not in communication with the Wasatch formation underlying the units. We are therefore requesting that these wells not be considered as one of the two allowable producing wells in the unit for production from the Wasatch formation under Cause No. 139-42.

We propose these wells to be designated as Green River Formation wells and the total depth of these wells shall be a point identified by the following:

To that interval which extends for 2,100 feet below the stratigraphic equivalent of the 9,418 foot depth (Tgr 3 marker) in the gamma ray log of the Badger 1-15A1 Badger Sam well located in the Northeast 1/4 of the Southwest 1/4 of Section 15, T1S, R1W, Ute Special Meridian.

Enclosed with this application is a letter and supporting log correlations from Mr. William Zagorski, Manager of Geology for Mark Resources Corporation. This represents the position of Badger Oil Corporation and its Partners concerning our request for a variance.

Mr. Ronald J. Firth
Page 2
April 24, 1991

Also enclosed is geological data and supporting information from Mr John C. Osmond, Consulting Geologist.

Pursuant to the State APD

1. Surface damage and access agreements will be obtained from the land owners prior to breaking ground for locations and spudding of these wells.

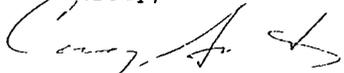
2. Water use agreements are being negotiated with the Ute Indian Tribe, all proper Temporary Division forms will be filed with the State, prior to spud.

3 All fresh water zones encountered will be repaired as per state regulations

Would you please address all correspondence concerning this matter to this office.

Thank you for your help Please feel free to call should we need to answer any further questions.

Sincerely,



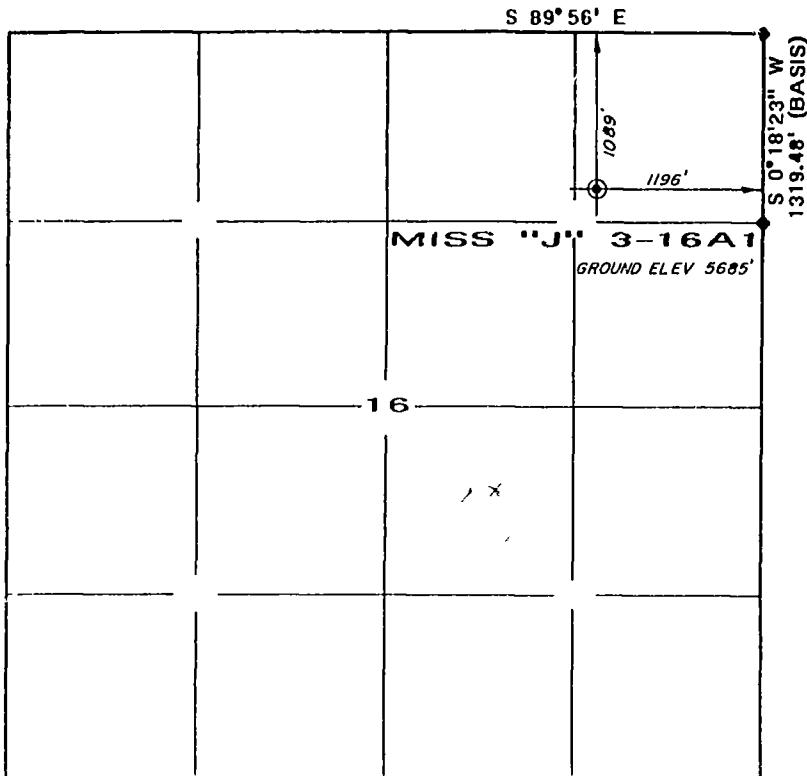
Cary Smith
Agent for Badger Oil Corporation

CS/vmr

Enclosures

**BADGER OIL CORP.
WELL LOCATION PLAT
MISS "J" 3-16A1**

LOCATED IN THE NE $\frac{1}{4}$ OF THE NE $\frac{1}{4}$ OF
SECTION 16, T1S, R1W, U.S.B.&M.



LEGEND & NOTES

- ◆ Corner monuments found and used by this survey.

The General Land Office (G.L.O.) plat was used for reference and calculations, as was the U.S.G.S. quadrangle map.

Reference points set as follows using the ground elevation at the well as the base:

- North @ 200', Elev. 5688 0'
- South @ 200', Elev. 5680 5'
- East @ 200', Elev. 5688 9'
- West @ 200', Elev. 5683 0'

SURVEYOR'S CERTIFICATE

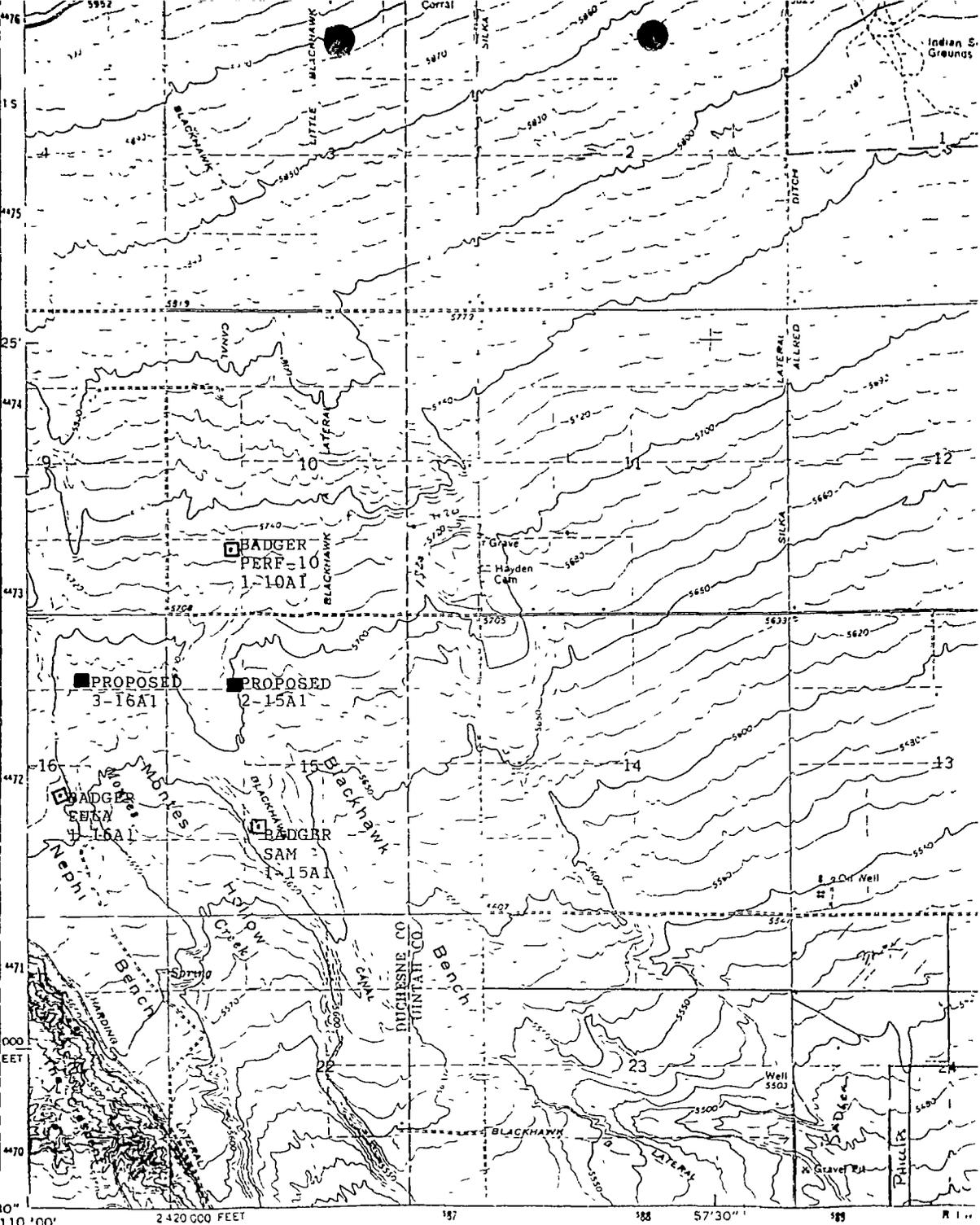
I hereby certify that this plat was prepared from field notes of an actual survey performed by me, during which the shown monuments were found or established

Jerry D. Allred
 Jerry D. Allred, Registered Land Surveyor
 Cert No 3817 (Utah)



JERRY D. ALLRED & ASSOCIATES
 Surveying & Engineering Consultants

121 North Center Street
 P.O. Drawer C
 DUCHESNE UTAH 84021
 (801) 738-5352



Maped edited and published by the Geological Survey

SECTION 14

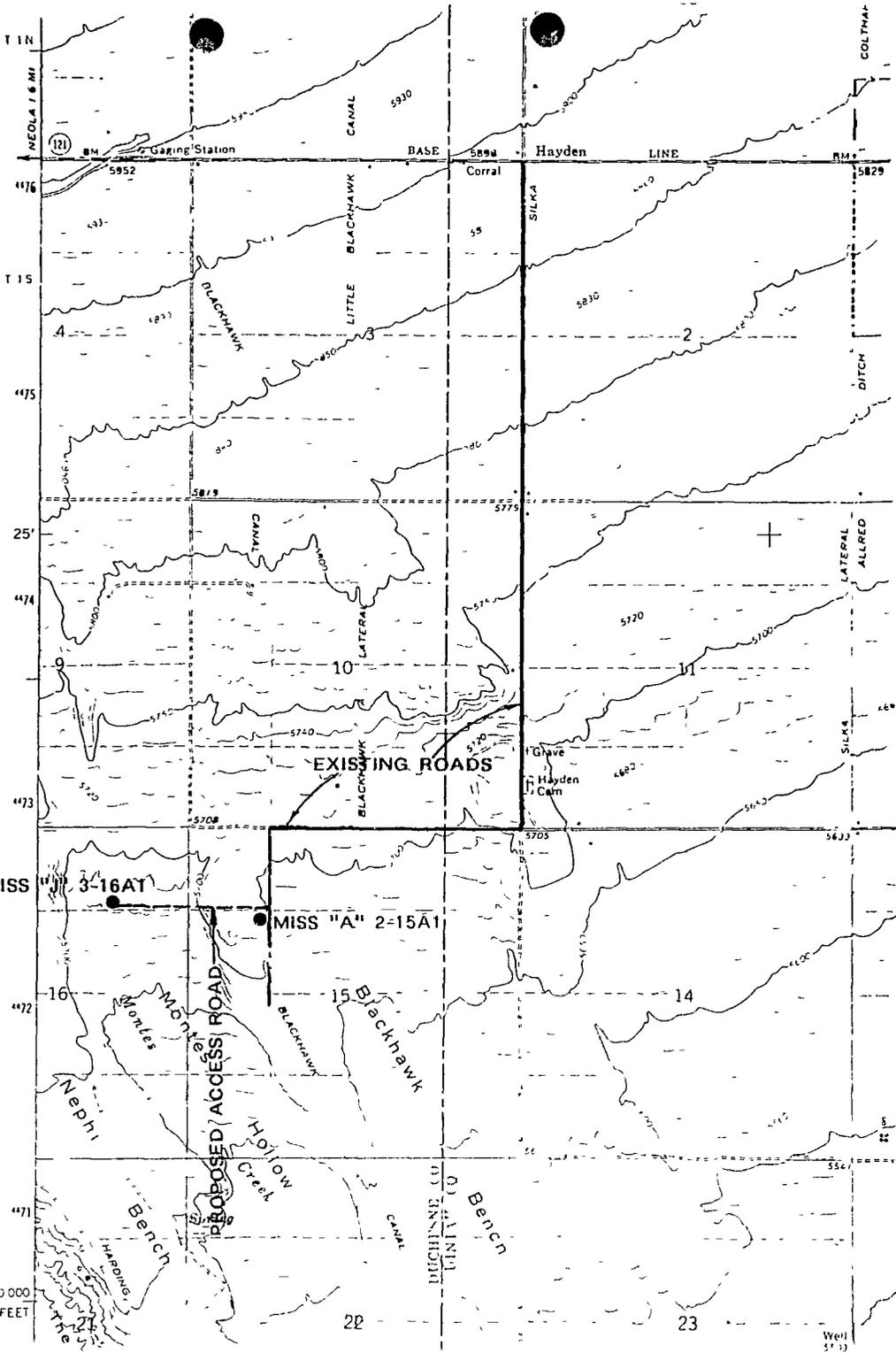
T. 22 R. 14

U.S.B. and M.

<p>1</p>	<p>J-O-H 3930 #36 RC 1/4"</p> <p>2 BOC Pore BV? 20 sec.</p>	<p>Evans Class, Evans L. Class, and Evans Class New Valley 8/23/86</p> <p>11</p> <p>1/3 Violet Spenser, a class New Valley 8/18/86</p> <p>660</p> <p>1/6 200 Daphne Class New Valley 8/23/86</p>
<p>BOC 12</p> <p>OPEN</p>	<p>4 POC 3</p> <p>5 6</p> <p>UNITED LANDS - Badger Oil Corporation Highest bidder as 7/27/82 2 yrs. 25% Approval pending</p>	<p>8A</p> <p>BOC #37 80</p> <p>UNITED LANDS - 88B</p> <p>#39</p> <p>SAM INDIAN</p> <p>9</p> <p>1/6 Richard Dye Badger 3/30/85</p>
<p>1 East Petroleum Corp. Badger 4/2/80</p> <p>4/80 East Petroleum et al Badger 3/22/85</p> <p>3/80 Gary C. Larson et al Badger 3/22/85</p> <p>1/80 Vaughn Elgin Francis et al New Valley ESP</p> <p>1/80 Larry L. Francis et al New Valley ESP</p> <p>1/80 Edward E. Francis et al New Valley ESP</p> <p>Elmeroy Bryant (Maximum applied)</p> <p>Scotts Bryant (Maximum applied) 10</p>	<p>7</p> <p>UNITED LANDS - Badger Oil Corporation Highest bidder as 7/27/82 2 yrs. 25% Approval pending</p>	

Approved Notice
10-15-85

WILLIAM W. GRIFFITH



750 000
FEET

Well
51-13



APPLIED DRILLING SERVICES, INC.

OILFIELD CONSULTANTS AND OPERATIONS MANAGEMENT

Route 3 Box 3010
Roosevelt, Utah 84066
801-722-5087

APD
BADGER OIL CORPORATION
Miss "J" 3-16 A1
SEC. 16 - T 1 S - R 1 W
DUSCHESNE CO., UTAH

RECEIVED

APR 27 1992

DIVISION OF
OIL GAS & MINING

- 1 OPERATOR
Badger Oil Corporation
PO Box 52745
Lafayette, La 70505
318-233-9200
- 2 OPERATOR'S UTAH AGENT
Badger Oil Corporation
c/o Robert Morlan
Rt # 3 Box 3011
Roosevelt, Utah 84066
801-722-2142
- 3 OPERATORS LOCAL CONTACT
Cary Smith
Applied Drilling Services
Rt #3 Box 3010
Roosevelt, Utah 84066
801-722-5087
- 4 OPERATORS BOND
Continental Casualty Company
1982 - #7972555
- 5 LOCATION OF PROPOSED WELL
Section 16 - Township 1 South - Range 1 West
1,196 FEL, 1,089' FNL
DUCHESNE Co, Utah
NE 1/4 NE 1/4
Eight miles NE of Roosevelt Utah

6 PROPOSED OBJECTIVE
11,450' Lower Green River test

7 ELEVATION
5,685 GR

8 MUD PROGRAM
Low Solids Non-Dispersed

9 BOP DESIGN

Size	Series	Number
11"	5000*	Double Ram
11"	5000*	Annular

10 CASING PROGRAM

Hole Size	Casing Size	Weight/Ft	Setting Depth	Cement
30 00"	20 000'	60**	150'	RM
13 50"	10 75C'	40 5#	2,900'	900 sx G
9 75'	7 625'	26 4*, 29 7*, 33 7*	11,450'	495 sx Lite and H

11 PROJECTED TOPS
Utah 2,250'
Green River 6,500'
Wasatch 11,500'

12 SURFACE OWNER
Robert Chivers
Surface damages are being negotiated and will be settled with the landowner prior to spud

13 ELECTRIC LOGS
All logs will be furnished within prescribed time limits
Planned log suite includes DIL, SFL, FDC, CNL, Caliper

14 PROPOSED SPUD DATE
July 15, 1992



MARK RESOURCES CORPORATION

Penn Center West / Buidlin i Suite 224 / Pittsburgh, PA 15276
Phone 412-788-1340 / FAX 412-788-1345
Toll Free 1-800 229-1345

April 23, 1992

RECEIVED

APR 27 1992

DIVISION OF
OIL GAS & MINING

Mr. Ron Firth
Associate Director Oil & Gas
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Ron:

As Cary Smith and I discussed with you, Badger Oil Corporation and a number of its working interest partners are interested in drilling new wells in Duchesne and Uintah Counties to develop oil from the Lower Green River Formation. The attached location map depicts the area of interest together with available flow test and cumulative production data for the offsetting wells. Presently, there is one producing Wasatch well per section. Under current spacing orders, one additional Wasatch well may be drilled on each 640-acre section. Our present interest is to drill only to the Lower Green River or Green River-Wasatch Transition Zone (est. 11,200 - 11,400 feet) to complete that interval. Our concern is that, under current spacing laws, drilling only to the Transition Zone will prohibit our ability to develop additional Wasatch reserves since the proposed Lower Green River wells will penetrate well below the Tgr3 marker. Under the present spacing order, there is a strong incentive against developing the Green River Formation since it may prohibit further Wasatch drilling. Also, most of the existing Wasatch wells have good behind-pipe potential in the Green River, but economic Wasatch production can be maintained via recompletion for 15 years or more. This is another factor in delaying development of potentially significant oil reserves from the Green River Formation.

It would be more advantageous from our position to have the ability to drill two Wasatch interval wells per section and two Green River interval wells per section. We feel that the acreage block has significant untapped oil reserves from the Green River Formation and probably will represent extensions of the historic Roosevelt and Bluebell Fields, both productive from the Green River Formation.

I have enclosed two cross sections I prepared for the area which run essentially north-south to west-east. Significant shows include zones at 11,600 feet (Perfect "10" well), 11,270 feet

Mr. Ron Firth
April 23, 1992

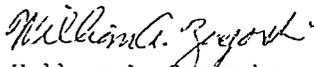
Page Two

(Badger Sam H. U. Mungus well), 11,150 feet to 11,180 feet (Fred Basset well), and at 11,050 feet in the Bradley Fee well. We feel that development drilling is merited in the interval between the Tgr3 marker and the deeper pay zones described above and included on the attached cross sections.

I hope the enclosed information is useful in clarifying our concern about Green River development drilling in the Bluebell-Altamont Field. If you need additional information or have any questions, please give me a call at 412-788-1340.

Sincerely,

MARK RESOURCES CORPORATION



William A. Zagorski
Manager of Geology

WAZ/blr

Enclosures

C#2WAZ/FIRTH

JOHN C OSMOND
CONSULTING GEOLOGIST
FIRST INTERSTATE TOWER
621 SEVENTEENTH ST STE 2110
DENVER COLORADO 80293

(303) 292 5259

April 24, 1992

RECEIVED

APR 27 1992

DIVISION OF
OIL, GAS & MINING

Mr. Cary Smith
Badger Oil Corporation
Route 3, Box 3010
Roosevelt, Utah 84066

RE: Geologic definitions of the two producing zones under Badger leases in T. 1 S., R. 1 W., USM, for inclusion in your APD.

Dear Cary:

As you pointed out, under the Badger leases in T. 1 S., R. 1 W., USM, the stratigraphic interval covered by Utah Board of Oil, Gas and Mining Order 139-42 consists of two separate producing zones. In this letter I refer to these as the "upper producing zone" and the "lower producing zone."

I suggest defining the stratigraphic interval of the "upper producing zone", for the reasons discussed below, as follows: "That interval which extends for 2,100 feet below the stratigraphic equivalent of the 9,418-foot depth (Tgr3 Marker) in the gamma ray log of the Badger 1-15A1 Badger Sam well located in the northeast 1/4 of the southwest 1/4 of Section 15, T. 1 S., R. 1 W., Ute Special Meridian."

This definition includes all of the shows in the "upper producing zone" that are recorded on the mud logs of the 6 existing Badger wells. Also, it defines the proposed depths of the subsequent "upper producing zone" wells as the depth calculated by adding 2,100 feet to the depth of the Tgr3 Marker, from the accompanying structure map, and adding the total to the kelly bushing elevations of the wells. Furthermore, it defines the "lower producing zone" as extending from 2,100 feet below the Tgr3 Marker to the base of the Wasatch Formation.

Enclosed are 5 copies of 4 cross sections showing all of the data I have been able to obtain that is pertinent to identifying and defining the "upper producing zone." Three of the cross sections tie the Badger wells, in east-west lines, with wells in adjacent sections to the east and west. One section ties the Badger wells, in a north-south line, with wells in adjacent sections to north and south. These cross sections incorporate all of the Badger wells on the lands for which the application applies.

The following discussion summarizes the facts I considered in formulating the definitions of the two producing zones.

In the subject area there are two separate producing zones within the interval addressed by Order 139-42. The shallower zone is known, by the operators, as the "Lower Green River" producing zone although it includes production from rocks within the Upper Wasatch Formation (see operators Top of Wasatch on the cross sections). The deeper producing zone is called, by the operators, the "Wasatch" producing zone. Because these two zones do not correspond exactly to the stratigraphic formations, I have referred to them as the "upper producing zone" and the "lower producing zone," respectively.

The subsurface attitude of the producing zones is controlled by the lithology of the stratigraphic units; and therefore they are approximately parallel to the strata, which dip northwest as shown on the accompanying structure map. The ground surface rises northward at an independent rate unrelated to the dip of the beds.

I believe that the best basis for defining the "upper producing zone" is to refer it to the Tgr3 Marker which can be identified on the gamma ray logs of wells throughout a large part of the Altamont-Bluebell field and is used in Order 139-42. There is no similar marker horizon corresponding to the base of the "upper producing zone," but the zone has a relatively uniform thickness (2,100 feet) under the six sections of Badger leases. Therefore, the most easily recognized and most useful definition of the top, bottom and thickness of the "upper producing zone" is made by tying them to the Tgr3 Marker.

Order 139-42 permitted the drilling of up to two wells, producing from the Lower Green River Formation (below the Tgr3 Marker) to the base of the Wasatch Formation, per 640-acre spacing unit. In the area of the Badger leases in T. 1 S., R. 1 W., USM, there are two separate producing zones within the overall Lower Green River Formation and Wasatch Formation interval. The "upper producing zone" includes (1) strata in the Lower Green River Formation (lacustrine beds, some of which, such as the Tgr3 Marker, can be correlated from well to well over large areas); (2) strata in the "transition zone" in which Green River lacustrine rocks are interbedded with Wasatch fluvial and alluvial redbeds, and (3) the upper part of the main body of the Wasatch Formation.

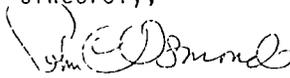
The main body of the Wasatch Formation consists of fluvial and alluvial red shales, siltstone and sandstones. These beds are discontinuous laterally and do not create distinctive curves on gamma ray or other logs that can be correlated between wells. The "upper producing zone" includes reservoirs in the upper part of the main body of the Wasatch Formation.

The lower part of the main body of the Wasatch Formation grades downward into the "Lower Lake Beds"/Flagstaff Member of the Wasatch Formation. These strata contain the reservoirs of the "lower producing zone" and beds such as the Neola Three Fingers Limestone which can be correlated between wells over a large area.

The "upper producing zone" has lower reservoir pressure than the "lower producing zone" and typically produces black oil in contrast to dark green oil produced from the "lower producing zone." The non-productive stratigraphic interval between the "upper producing zone" and the "lower producing zone" is 800 feet to 1,000 feet thick in the main body of the Wasatch Formation. There is no communication between the two zones under the Badger leases.

If I can be of further assistance in this matter, please call on me.

Sincerely,



John C. Osmond

File:BADGER2

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

SEE INSTRUCTIONS ON REVERSE SIDE

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		5 LEASE DESIGNATION AND SERIAL NO FEE/FEE 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. UNIT AGREEMENT NAME 14-20-1162-3877	
2. NAME OF OPERATOR Badger Oil Corporation	8. FARM OR LEASE NAME Miss "J"	
3. ADDRESS OF OPERATOR C/O Applied Drilling Services, Inc. Rt. 3 Box 3010 Roosevelt, Utah 84066	9. WELL NO. 3-16A1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1,089' FNL, 1,196' FLL NE 1/4 NE 1/4	10. FIELD AND POOL, OR WILDCAT Bluebell	
14. PERMIT NO	15. ELEVATIONS (Show whether of RT OR, etc.)	11. SEC. T. R., M., OR BLK. AND SURVEY OR AREA Section 16, T1S, R1W
		12. COUNTY OR PARISH 13. STATE Duchesne Utah

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

NOTICE OF INTENTION TO *		SUBSEQUENT REPORT OF.	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form)	

17 DESCRIBE PROPOSED OR UNDEVELOPED 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.)*

Badger Oil Corporation hereby amends its Application for Permit to Drill to the above referenced well. In accordance with the Order in Cause #139-42, this will be the second well drilled in subject Section 16. All documentation previously submitted for this well are incorporated herein by this reference.

RECEIVED
JUN 16 1992

DIVISION OF
OIL GAS & MINING

18 I hereby certify that the foregoing is true and correct

SIGNED <u>[Signature]</u> <small>(This space for Federal or State office use)</small>	TITLE <u>Agent</u>	APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING DATE: <u>6-23-92</u> BY <u>[Signature]</u>
APPROVED BY _____ CONDITIONS OF APPROVAL IF ANY _____	TITLE _____	

*See Instructions on Reverse Side

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: BADGER OIL CORPORATION WELL NAME: MISS "J" 3-16A1
SECTION: 16 TWP: 1S RNG: 1W LOC: 1089 FNL 1196 FEL
QTR/QTR NE/NE COUNTY: DUCHESNE FIELD: BLUEBELL
SURFACE OWNER: CLEGG FAMILY TRUST
SPACING: 660 F SECTION LJNE 1320 F ANOTHER WELL
GEOLOGIST: BRAD HILL DATE AND TIME: 6/18/92 10:00

PARTICIPANTS: Cary Smith-Badger Oil

REGIONAL SETTING/TOPOGRAPHY: The proposed location is in the central Uinta Basin and is located on an outwash terrace in a slight depression which drains to the south. The area is quite flat with a very slight dip to the south.

LAND USE:

CURRENT SURFACE USE: Domestic grazing.

PROPOSED SURFACE DISTURBANCE: A square pad will be constructed with dimensions of 400'X 400' including a 200'X 120' reserve pit. Access will be from a short driveway from an existing county road.

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Pasture grass, Rushes, Russian Olive, Rabbitbrush/Birds, Insects, No cattle at present but there is evidence of recent grazing.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: Sandy-silt with abundant cobbles.

SURFACE FORMATION & CHARACTERISTICS: Quaternary alluvium.

EROSION/SEDIMENTATION/STABILITY: No active erosion or sedimentation at present. The location should be stable.

PALEONTOLOGICAL POTENTIAL: None observed.

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: Uintah-2250', Green River-6500', Wasatch-11,500'

ABNORMAL PRESSURES-HIGH AND LOW: None anticipated

CULTURAL RESOURCES/ARCHAEOLOGY: NA

CONSTRUCTION MATERIALS: Onsite materials will be used for construction.

SITE RECLAMATION: As per landowner instructions.

RESERVE PIT

CHARACTERISTICS: A rectangular reserve pit will be constructed with dimensions of approximately 200'X 120'X 8'.

LINING: A synthetic liner of 12 mil minimum thickness will be required for this location.

MUD PROGRAM: Fresh water LSND mud will be used from surface casing to TD.

DRILLING WATER SUPPLY: Water will be obtained from the Blackhawk Lateral.

STIPULATIONS FOR APD APPROVAL

The reserve pit is to be lined with a synthetic liner.

Evaluation Ranking Criteria and Ranking Score

Site-Specific Factors	Ranking Score	Final Ranking Score
Distance to Groundwater >200' 100 to 200' 75 to 100' 25 to 75' <25' or recharge area	0 5 10 15 20	20
Distance to surface Water >1000' 300 to 1000' <300'	0 2 5	2
Distance to Nearest Municipal Well >5280' 1320 to 5280' 500 to 1320' <500'	0 5 10 20	0
Distance to Other Wells >1320' 300 to 1320' <300'	0 10 20	0
Native Soil Type: Low permeability Mod. permeability High permeability	0 10 20	20

Drilling Fluid Air/mist Fresh Water 5000< TDS <10000 TDS > 10000 Oil Based Mud or mud containing hazardous constituents	0 5 10 15 20	5
Drill Cuttings Normal Rock Salt or detrimental	10 10	0
Annual Precipitation <10 10 to 20 >20	0 5 10	5
Affected Populations <100 100 to 300 >3000	0 10 20	0
Presence of Nearby Utility Conduits Not Present Unknown Present	0 14 15	0

Final Score	52
-------------	----

LINE PIT

OPERATOR Badger Oil Corp #1787 DATE 6-15-90

WELL NAME W-15 T 15 R 1W COUNTY Duchene

EC 16 T 15 R 1W COUNTY Duchene

13-013-31359
API NUMBER

see (4)
TYPE OF LEASE

HECK OFF:

PLAT

BOND
7970555
in file

NEAREST WELL

LEASE

FIELD
1300M

POTASH OR OIL SHALE

PROCESSING COMMENTS:

Water Permit
Permit to 15 50 / Hydrology in 1111 (6 20 90)

APPROVAL LETTER:

SPACING: R615-2-3

UHT
UNIT

R515-3-2

139 50 17 85
CAUSE NO. & DATE

R615-3-3

STIMULATIONS:

the stimulation
water permit
3 Resin put is to be lined with a synthetic liner
of 12 mil minimum thickness



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

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84103 1203
801 538 5340

June 23, 1992

Badger Oil Corporation
c/o Applied Drilling Services, Inc
Rt 3 Box 3010
Roosevelt, Utah 84066

Gentlemen

Re. Miss "J" 3-16A1 Well, 1089 feet from the north line, 1196 feet from the east line, NE 1/4 NE 1/4, Section 16, Township 1 South, Range 1 West, Duchesne County, Utah

Pursuant to Utah Code Ann § 40-6-6, (1953, as amended) and the order issued by the Board of Oil, Gas and Mining in Cause No 139-42 dated April 17, 1985, approval to drill the referenced well is hereby granted

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

- 1 Badger Oil Corporation, as designated operator, is the bonded principal in reference to this Application for Permit to Drill. Should this designation change or a transfer of ownership occur, liability will remain with the designated operator until the Division is notified by letter of a new bonded principal.
- 2 Submittal to the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann § 73-3, Appropriations, prior to commencing drilling operations.
- 3 Reserve pit is to be lined with a synthetic liner of 12 mil minimum thickness.
- 4 Compliance with the requirements of Utah Admin R 649-1 et seq, Oil and Gas Conservation General Rules.
- 5 Notification within 24 hours after drilling operations commence.

Page 2
Badger Oil Corporation
Miss "J" 3-16A1 Well
June 23, 1992

6. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
7. Submittal of the Report of Water Encountered During Drilling, Form 7.
8. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
9. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31359.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ldc
Enclosures
cc Bureau of Land Management
J.L. Thompson
WO11



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center Suite 350
Salt Lake City Utah 84100 1203
801 538 5340
801 359 3940 (Fax)
801 538 5319 (TDD)

February 14, 1994

Badger Oil Corporation
c/o Applied Drilling Services, Inc.
Rt. 3 Box 3010
Roosevelt, Utah 84066

Re: Application for Permit to Drill
Well No Miss "A" 2-15A1
SWNW, Sec 15, T 1S, R 1W
Duchesne County, Utah
API No 43-013-31360

Dear Sirs.

Your referenced application submitted for approval was approved January 31, 1990. In accordance with R 649-3-4-4, the Division rescinds its approval of the referenced application

In order to drill this well in the future, a new application will have to be submitted

Yours truly,

Frank Matthews
Petroleum Engineer

cc R J Firth
State Lands and Forestry
Well file