

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Serial Number
WYW149499

MINERAL REPORT

Preliminary Mineral Report
for
Administrative Land Withdrawal

(Title)

LANDS INVOLVED

Lot 19, Section 14, T.19N., R.105W.
6th Principal Meridian, Sweetwater County, Wyoming
Totalling 4.93 acres

Prepared By:

[Handwritten Signature]

(Signature)

Mining Engineer

(Title)

5/11/00

(Date)

RECEIVED
00 MAY 22 AM 9:00
CHEYENNE, WYOMING

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Technical Approval:

[Handwritten Signature]

(Signature)

Geologist

(Title)

5/11/00

(Date)

Management Acknowledgement:

[Handwritten Signature]

Assistant Field Manager

Minerals & Lands

(Title)

5-11-00

(Date)

Preliminary Mineral Report

Administrative Land Withdrawal

This preliminary report is in association with a proposal to withdraw approximately 5 acres of Public land from the public land laws, including the 1872 Mining Law. A final report will be completed within 2 years of the initial proposal. The land under investigation will be the site of construction for the new BLM building in Rock Springs, WY. This report is intended for no other purpose. The subject land is described as;

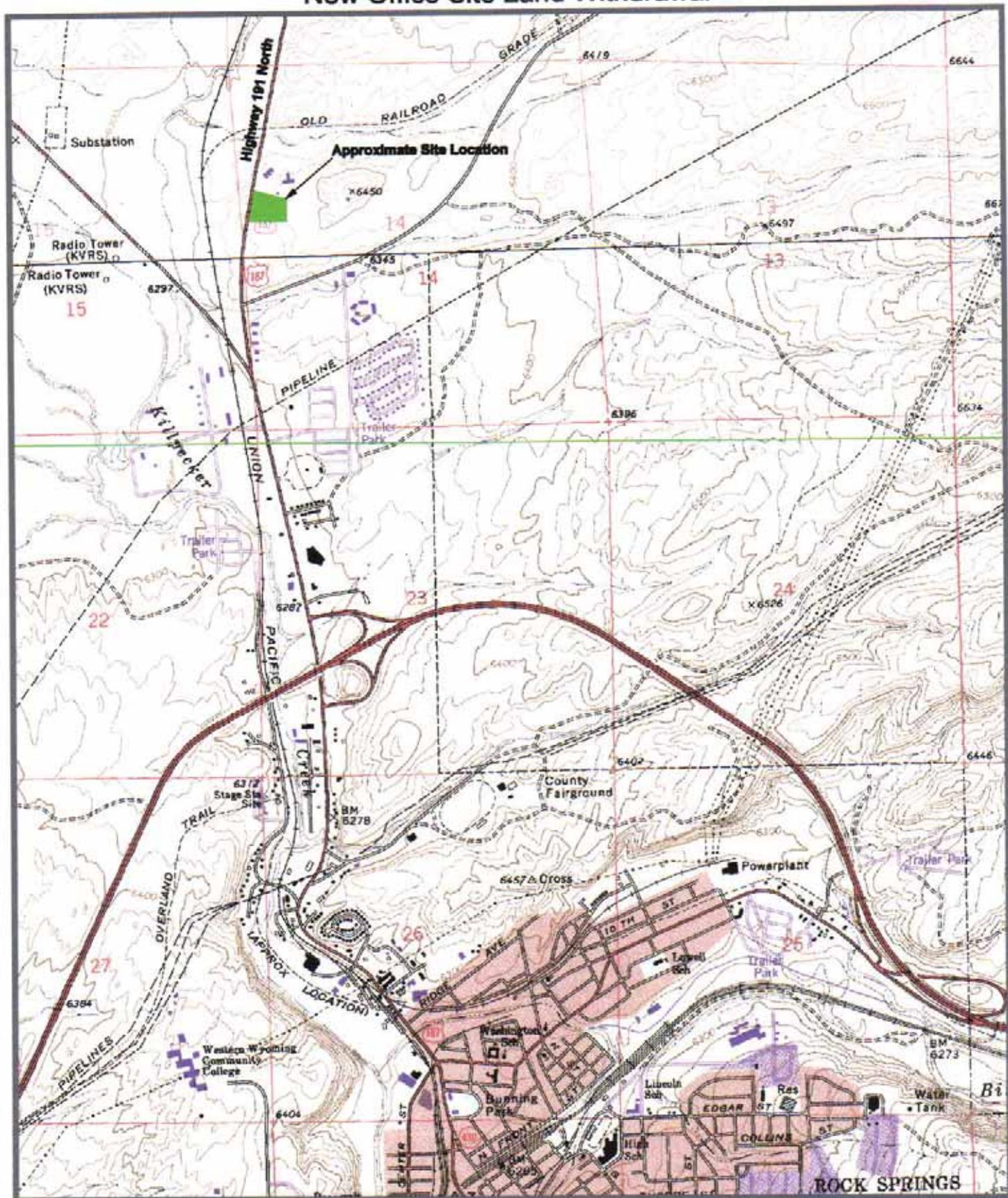
Lot 19, Section 14, T.19N., R.105W., 6th Principal Meridian, Sweetwater County, Wyoming, a total of 4.93 acres of federal surface and mineral estate (Figure 1, pg 2).

The subject land is immediately adjacent to and south of the current BLM office site. Access is the same as getting to the BLM office, just off of Highway 191 going north out of Rock Springs, WY. The elevation is between 6340 and 6380 feet above sea level, and the terrain is a gently sloping hillside facing to the west-southwest. Plant life consists of native grasses and shrubs.

A check of federal records for T.19N., R105W., 6th PM, showed no mining claims located on the parcel. The area is not included in Oil Shale Classification Order No. 1 (PLO 4522, 9/13/68) which segregates all lands from mineral location, and no mineral material sites are present. It is outside the boundaries of the Known Sodium Leasing Area (KSLA) and is not part of any coal land withdrawals or included in any oil and gas (O&G) lease. The Green River Resource Management Plan (Map 19) does show the parcel sits within a Coal Potential Area. (Master Title Plats provided in Appendix A.)

Figure 2 (pg 3) is a generalized stratigraphic column for the report area. A more complete stratigraphic column is provided as Figure 3 (pg 4). Included on the generalized column is the corresponding lithologies for the subsurface rock units (Geo/Resource, 1984 and Snoke, et al, 1993). The column was generated using information from drill holes completed in the surrounding area. The drill hole records are given in Appendix B. As indicated on the column, the parcel sits within the outcrop zone of the Almond Formation along the western flank of the ancestral Rock Springs Uplift. The uplift is a Late Cretaceous (Roehler, 1979) anticline which divides the Greater Green River Basin into the Green River, Washakie, and Great Divide basins (Figure 4, pg 5).

Bureau of Land Management New Office Site Land Withdrawal



(Lot 19, Section 14, T.19N., R.105W., 6th P.M., Sweetwater County, Wyoming
Modified from Rock Springs and Reliance 7.5 Minute Quadrangles)



Figure 1. Location and Access

Scale
1" = 2000'

Generalized Stratigraphic Column – Office Site Land Withdrawal

Mid-western Flank of the Rock Springs Uplift

(Scott Sanner – From Geo/Resource Consultants, Snake & Logs from nearby Wells)

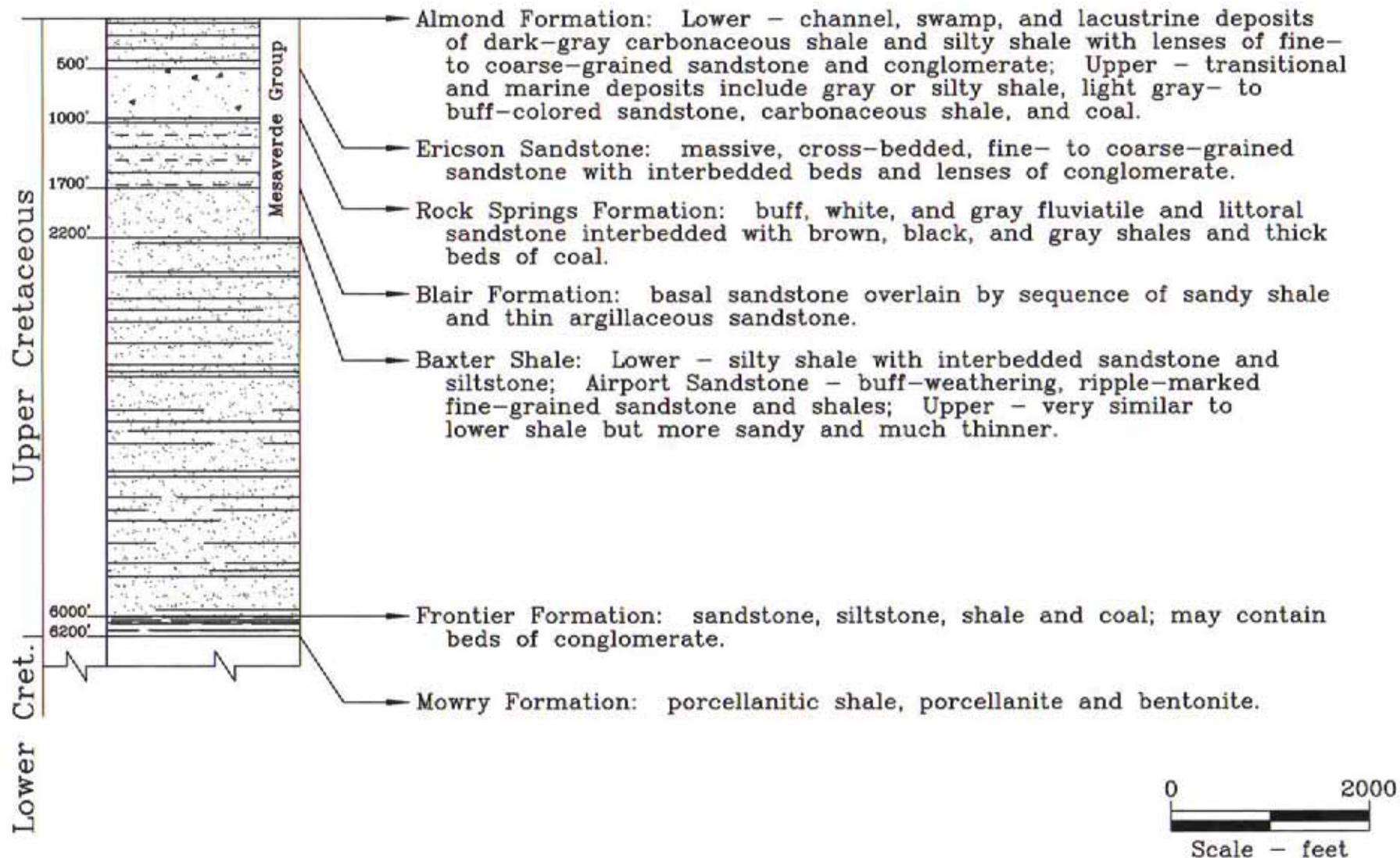


Figure 2

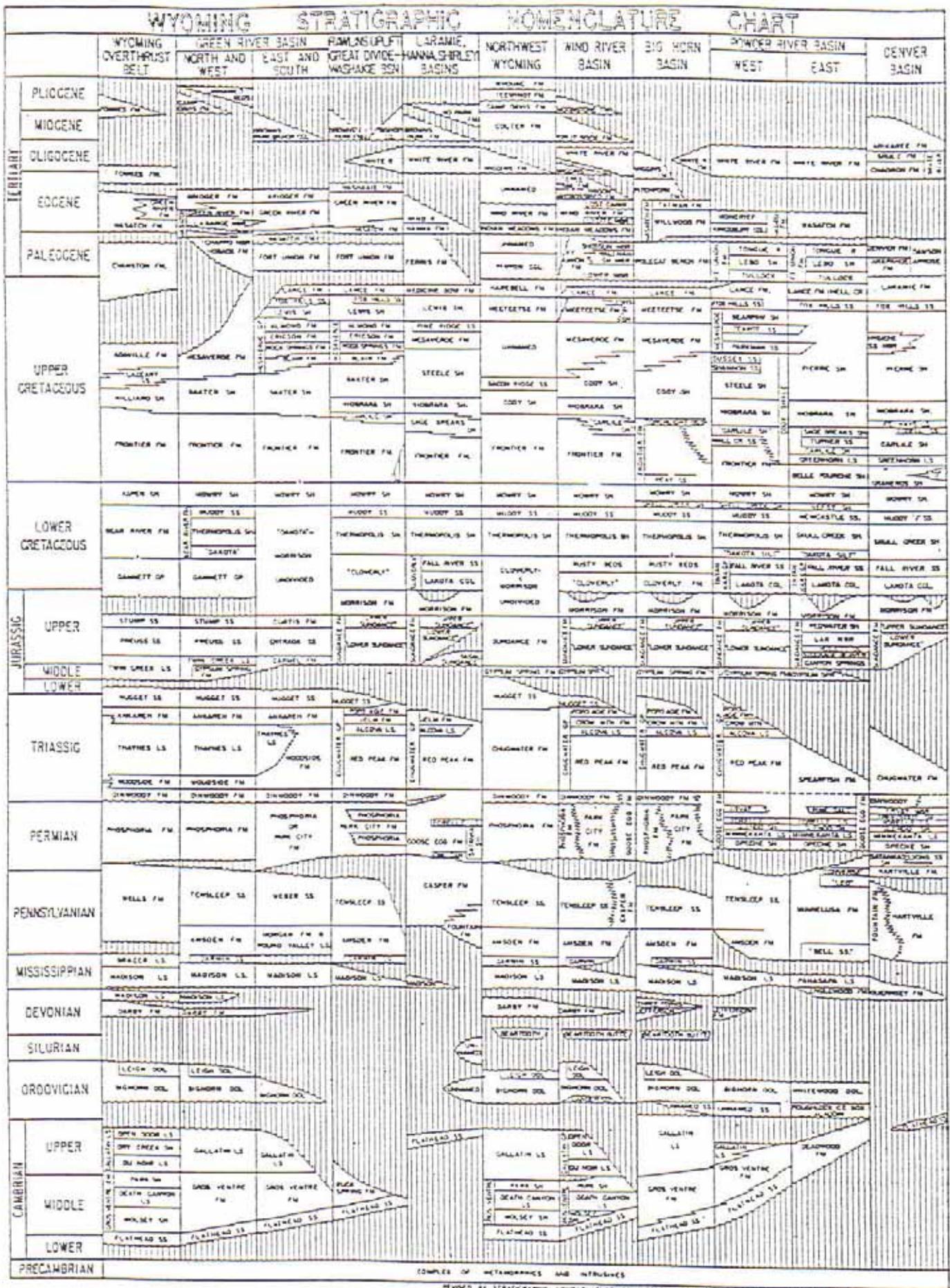


Figure 3. The Stratigraphic Chart of Wyoming. From "Geology of Wyoming", Wyoming Geological Survey Memoir No. 5.

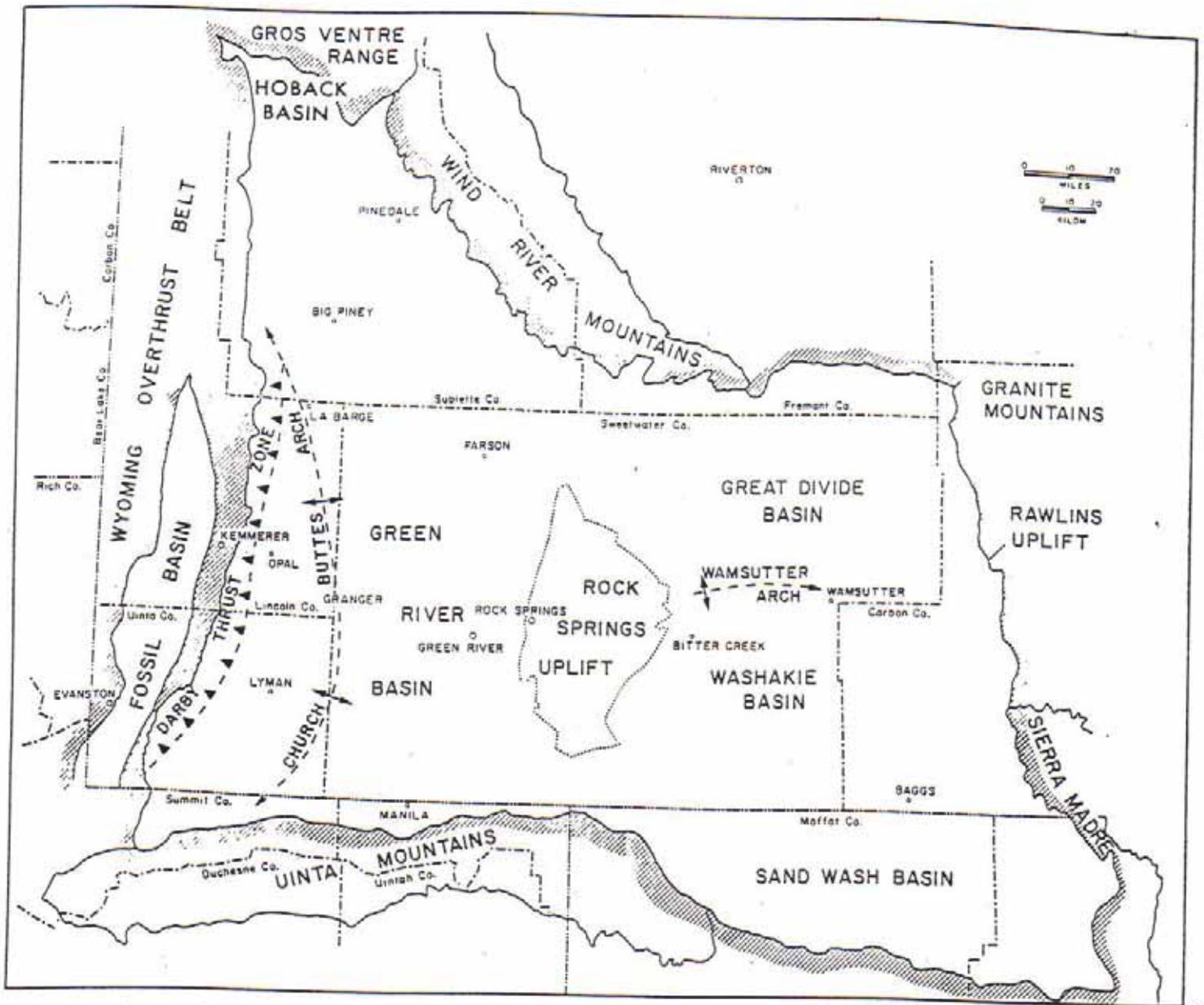


Figure 4. Southwest Wyoming Geologic Structures

The Greater Green River Basin is a large intermountain basin overlying a very stable Archean (>2.5 billion ybp) basement rock known as the Wyoming Province of the Wyoming Craton. It is bounded to the north by the Wind River mountain range, to the south by the Uinta mountain range, and to the west by the Wyoming Overthrust Belt. On the east side of the basin is the Granite and Sierra Madre mountain ranges. During the Late Cretaceous/Early Tertiary period, streams and rivers carrying sediment from the rising mountains began in-filling the basin. The resulting formations in the floor of the basin contain sediments deposited under fluvial (stream action), lacustrine (lake environment), and paludal (marsh land) conditions. Near the end of the Tertiary, this part of the North American Continent began rising to its present elevation. During this upward migration, erosion from the gradually increasing stream gradients removed many of the sediments that had previously filled the basin.

During much of the Cretaceous, southwest Wyoming was just below or just above sea level. A shallow sea, called the Zuni Sea, occupied this area laying down rock units associated with sea bottoms, beaches, and low lands. Rock formations deposited during the Upper Cretaceous indicate a land alternating between underwater, shoreline, and near shoreline environments. By pre-Late Cretaceous, the seaway which had dominated this area was beginning to recede as the continent was pushed to higher elevations. It was during this transition that the necessary elements for the creation of the Greater Green River Basin began to emerge. Crustal down warping in southwestern Wyoming, in concert with mountain building to the north (Wind River Range), south (Uinta Mountains), east (Sierra Madre and Granite Mountains), and west (Overthrust Belt) provided the geologic framework for the large intermontane basin. By or before the mid-Tertiary, sediments had largely in-filled the basin. This part of the North American Continent began to rise upwards again near the end of the Tertiary, reaching its present elevations in the Late Tertiary/Early Quaternary.

Known deposits within the Greater Green River Basin consist of coal, oil and gas, trona, construction materials, diamonds, uranium, gold and oil shale. Coal is currently mined in the Cretaceous and Early Tertiary rock formations exposed by the Rock Springs Uplift. Three surface coal mines currently remove about 13 million tons per year from beds cropping out along the eastern flank of the uplift. Oil and gas is produced over a widespread area in southwest Wyoming. In general, 38% of the gas is produced from the Frontier Formation, 22% from the Dakota Formation, 18% from the Mesaverde Group, and some from formations as deep as the Big Horn Dolomite (Green River Resource Area, 1997). Trona (sodium sesquicarbonate) is produced

from the world's largest known deposit which occurs only in the Wilkens Peak Member of the Green River Formation. The combined production from the five underground trona mines in the Known Sodium Leasing Area (KSLA) of the Green River Basin is about 18 million tons per year. Construction material sites are scattered throughout southwest Wyoming, the larger and more desirable sites are typically associated with terrace gravels along the Green River. Oil shales found in Wyoming are more accurately described as kerogen-rich dolomitic marls. These deposits occur in the Green River Formation and approximately 2.9 million acres of Wyoming land has been officially classified as prospectively valuable for oil shale in Oil Shale Classification Order Wyoming No. 1 (Federal Register Notice, Vol. 47, No. 224). In Wyoming, these oil shale reserves are only found in the Green River and Washakie Basins. Gold values have been associated with the oil shales and sandstones of the Green River Formation. Samples of unconsolidated sand from the Wilkins Peak Member in the northern Eden Valley area contained microscopic native gold that was angular with jagged edges, suggesting minimal transport (Hausel, 1989). Uranium minerals have been identified in the Ericson sandstone of Late Cretaceous age (Wilson, 1960), but exploration for U_3O_8 in Sweetwater county has not identified any economic deposits. Recent diamond exploration in the southern portion of the Green River Basin has identified ten "kimberlitic" breccia pipes. Indicator minerals spread over a 1,000 square mile area suggest the possibility of yet undiscovered breccia pipes (Hausel, 1996). Also, the Green River Basin encloses one of the largest lamproite fields in the world (Hausel, et al, 1995). These extremely rare volcanic rocks are found in the Leucite Hills along the northern flank of the Rock Springs Uplift. Due to the similarities of the Leucite Hills to diamondiferous lamproites found elsewhere in the United States and Australia, small bulk samples from this area have been tested for diamonds but none of the samples yielded positive results.

Preliminary review of the available data indicates the subject lands are underlain by rock formations containing coal, however, the historical records show that the economically minable coal has already been mined (Union Pacific, no date). There exists the potential for oil and gas, and uranium, but this potential is believed to be low. There is no potential for trona or oil shale as the rock formations containing these minerals do not exist in the report area, and the preliminary review indicates there is no potential for construction materials, diamonds, heavy metals (gold, silver, etc.) or geothermal occurrences. Finally, no critical or strategic minerals are known to occur in the report area.

The surface activities associated with constructing a new office building and associated facilities (parking lot, etc.) would interfere with mineral development if mineral development required use of the surface. The preliminary review indicates a potential for occurrence of oil and gas, coal and uranium. Oil and gas development could theoretically be conducted off site using directional drilling techniques. Uranium development would involve either open pit, underground, or in-situ mining methods depending on the physical characteristics of the deposit and would likely require surface related facilities within the project area. As mentioned earlier, the economical coal has already been mined, therefore no coal development is anticipated. Though the potential for mineral development is low, the proposed withdrawal should go forward to avoid surface use conflicts in the future.

References and Selected Bibliography

- Geo/Resource Consultants, 1984, "Green River Basin Geologic Resources Inventory", San Francisco, California.
- Green River Resource Area, 1997, "Record of Decision and Green River Resource Management Plan", Bureau of Land Management, Rock Springs, Wyoming.
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- Hausel, W.D., Sutherland, W., and Gregory, B., 1995, "Lamproites, Diamond Indicator Minerals, and Related Anomalies in the Green River Basin, Wyoming", Wyoming Geologic Association Guidebook, Wyoming State Geological Survey, Laramie, Wyoming.
- Hausel, W.D., 1996, "Metals and Precious Stones Update", Wyoming Geonotes No. 52, Wyoming State Geologic Survey, Laramie, Wyoming.
- Law, B.E., and Smith, C.R., 1983, "Subsurface Temperature Map Showing Depth to 180° Fahrenheit in the Greater Green River Basin of Wyoming, Colorado, and Utah", Map MF-1504, U.S. Geological Survey, Denver, Colorado.
- Roehler, H.W., 1977, "Geologic Map of the Rock Springs Uplift and Adjacent Areas", U.S. Geological Survey.
- Roehler, H.W., 1979, "Geology and Mineral Resources of the Mud Springs Ranch Quadrangle, Sweetwater County, Wyoming", Geological Survey Professional Paper 1065-C, United States Government Printing Office, Washington.
- Snoke, A.W., Steidtmann, J.R., and Roberts, S.M., "Geology of Wyoming", Vol. 1, Geological Survey of Wyoming Memoir No. 5, The Geological Survey of Wyoming, Laramie, Wyoming.
- United States Department of Energy, 1980, "An Assessment Report on Uranium in the United States of America", GJO-111(80), Grand Junction Office, Colorado.
- Union Pacific Coal Co., no date, Copies of Historical Mine Workings Maps (in and around Rock Springs area).

Wilson, W.H., 1960, "Radioactive Mineral Deposits of Wyoming", Report of Investigations No.7, The Geological Survey of Wyoming, University of Wyoming, Laramie, Wyoming.

Appendix A

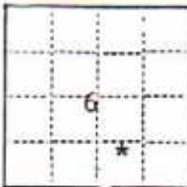
Master Title Plats

Appendix B

Well Records

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 6
T. 19 N
R. 105 W
6th P.
Mer.
Ref. No. 2



4903720531
PUBLIC LAND:

INDIVIDUAL WELL RECORD

Date December 14, 1973

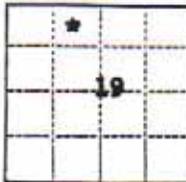
Land office Wyoming State Wyoming
 Serial No. 10583 County Sweetwater
 Lessee Union Oil of California Field Wildcat
 Operator Miami Oil Producers, Inc District Rock Springs
 Well No. 1 Subdivision SW SE
 Location 1980' from east line & 820' from south line, sec. 6
 Drilling approved November 9, 19 73 Well elevation 7911 GR feet
 Drilling commenced November 12, 19 73 Total depth 8085 feet
 Drilling ceased December 3, 19 73 Initial production Dry
 Completed for production _____, 19 _____ Gravity A. P. I. _____
 Abandonment approved June 29, 19 77 Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depths	Contents
<u>Green River</u>	<u>Rock Springs</u>			

WELL STATUS

YEAR	JAN.	FEB.	REVIEWED FOR DRILLAGE		JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	
			MAR. <input type="checkbox"/> No Potential	APR. <input type="checkbox"/> Potential								
1973											Drlg	Abd
1977												

REMARKS Replacement Casing: 8 5/8" cc @ 515' w/360 sax
 Tab. Tops: Lance 6155'
 Almond 7132' Logs: IES, BHC and FDC
 Erickson 7360'
 Rock Springs 7637'



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Section 19
T. 19 N
R. 105 W
6th P Mer.

INDIVIDUAL WELL RECORD

PATENTED LAND
~~CONSERVATION DIVISION~~

Date May 8, 1972

Reference No. 1

State Wyoming
County Sweetwater
Field Wildcat
Operator Union Oil Co. of California District Rock Springs
Well No. 1-C-19 (White Mtn Unit) Subdivision NE 1/4 NW 1/4

Location 660' from north line & 1881' from west line sec. 19

N.I.D. Accepted
Drilling approved September 13, 19 71 Well elevation 7549 GR, 7570 KB feet.

Drilling commenced September 16, 19 71 Total depth 16,786 feet.

Drilling ceased February 5, 19 72 Initial production Dry & Abd

Completed ~~for production~~ May 3rd, 19 72 Gravity A. P. I. _____

Abandonment approved 5-3, 19 72 Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depths	Contents
Wasatch	Nugget			

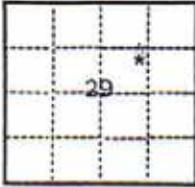
WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1971									Drlg			
1972												

REMARKS Replacement Casing: 16" cc at 720' w/1250sx
 Top: Almond 6340' Howry 14,660 10 3/4" cc at 3875' w/1300sx
 Ericson 7345' Dakota 14,966 5 1/2" cc at 15,399' w/735sx
 Rock Spgs 8060 Morrison 15,140 Pulled 5 1/2" from 4060'
 Blair 9320' Curtis 15,670'
 Baxter 10790' Twin Cr. 15,895'
 Frontier 14423' Nugget 16,200'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Section 29
T. 19 N
R. 105 W
6th P. Mer.



INDIVIDUAL WELL RECORD

PATENTED LAND
STATE LAND

Date August 5, 1980

Reference No. 3

State Wyoming
County Sweetwater
Field Wildcat
District Rock Springs
Subdivision SW NE
Lessee or owner UPRR
Operator Amoco Production Company
Well No. 1-(585)
Location 1519' from east line; 1322' from north line, Section 29
Drilling ~~approved~~ ^{accepted} (DI) March 30, 1978
Drilling commenced Spud May 25, 1978
Drilling ceased May 2, 1979
Completed for production 19
Abandonment approved June 25, 1980
Well elevation 6581' KB feet
Total depth 18,508' feet
Initial production Dry hole
Gravity A.P.I. _____
Initial R.P. _____

Geologic Formations		Name	Productive Horizons	
Surface	Lowest tested		Depths	Contents
<u>Green River</u>	<u>Madison</u>			

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1978					Orig							
1980						Dry Hole						

REMARKS Replacement Casings: 20"@428' w/1200 sx
JAF:ma Frontier 12,880' 13 3/8" @ 3009 w/1120 sx
Dakota 13,556' 7" liner cc @ 18,497' w/810 sx
Lakota 13,615'
Phosphoria 16,576'
Weber 16,855'
Madison 18,120'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Section 11
T. 19 N
R. 104 E
6th T. Mer.



INDIVIDUAL WELL RECORD

PATENTED LAND
~~STATE LAND~~
4903705655

Date June 5, 1962

Reference No. 9

State Wyoming

~~Owner~~ owner Union Pacific Railroad

County Sweetwater

Field North Baxter Basin

Operator Mountain Fuel Supply Company

District Rock Springs

Well No. 4

Subdivision SE 1/4 NE 1/4

Location 2410' from N line and 1800' from East line of section 11

Drilling approved _____, 19____

Well elevation 6412.50 KB feet.

Drilling commenced December 28, 1961

Total depth 9294 feet.

Drilling ceased April 23, 1962

Initial production Dry

Completed for production April 25, 1962

Gravity A. P. I. _____

Abandonment approved _____, 19____

Initial R. P. _____

Geologic Formations

Productive Horizons

Surface	Lowest tested	Name	Depths	Contents
<u>Baxter</u>	<u>Camurian Granite Wash</u>			

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1961												Drg. 2485'
1962	Drg. 6012'	Drg. 6950'	Drg. 7921'	Abd								

REMARKS Replacement IES, GR, Sonic
vkp RR - April 25, 1962

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 24
T. 18 N
R. 105 W
6th P. Mer.
Ref. No. 1



Handwritten initials

49-037-22136
PUBLIC LAND:

INDIVIDUAL WELL RECORD

Date February 18, 1983

Land office Wyoming State Wyoming
Permit Effective 10/1/89
Serial No. 65720 County Sweetwater
Lessee Crest Resources, Inc. Field Six Mile Spring
Operator McCulliss Resources Company, Inc. District Rock Springs
Columbine Exploration Corp.
Well No. 1-24 Subdivision SE SE
Location 597' from south line and 849' from east line, Section 24
Drilling approved June 24, 19 81 Well elevation 6748 GL, 6759 KB feet
Drilling commenced May 25, 19 82 Total depth 5560 feet
Drilling ceased June 12, 19 82 Initial production 2117 mcfgpd, 24 BWPD thru 20/64" choke
Completed for production July 18, 19 82 Gravity A. P. I. _____
Abandoned October 19, 1994
Abandonment approved _____, 19 _____ Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depths	Contents
<u>Lance</u>	<u>Dakota</u>	<u>Frontier (2nd)</u>	<u>4914-4921</u>	<u>Gas, Water</u>

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1981					Drlg							
1982							GSI				P.G.W.	
1994										** H.B.D.		

REMARKS REPLACEMENT * CM 5-a-83
CEH:trb First Frontier SS 4530'
Second Frontier SS 4834'
9-5/8" c.c @ 281' w/250 sx. Mowry 5077'
5 1/2" c.c @ 5069' w/350 sx. Dakota 5366

*** CM 2/22/95*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 18

T. 20 N

R. 105 W

6th P. Mer.



INDIVIDUAL WELL RECORD

Ref. No. 3

API # 17-031-21172
PUBLIC LAND:

Date July 20, 1979

Land office Wyoming State Wyoming

Serial No. 20841 County Sweetwater

Lessee Union Oil of California Field Unnamed

Operator Davis Oil Company District Rock Springs

Well No. 2 (Dines Unit) Subdivision C SE

Location 1320' from south line and 1120' from east line, Sec. 18

Drilling approved March 1, 19 78 Well elevation 6740' GR 6750' KB feet

Drilling commenced April 12, 19 78 Total depth 18,757 PB 13,155 feet

Drilling ceased October 3, 19 78 Initial production 652 MCFGPD

Completed for production June 16, 19 79 Gravity A. P. I. _____

Abandonment approved _____, 19 _____ Initial R. P. _____

Handwritten notes:
22
Kestrel Energy
Effective
July 15, 1979

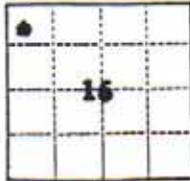
Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depth	Contents
Wasatch	Madison	2nd Frontier	13,100-13,124'	GAS

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1978				DRIG								
1979						GSI						
1987							PGW					

REMARKS Replacement
mam Tops on Backl 13 3/8" @ 1305' w/200 sx
9 5/8" @ 14,440' w/710 sx

CM 8/5/87



~~PATENTED LAND~~
STATE LAND

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Section 16
T. 10 N
R. 10 E
6th P. Mer.

INDIVIDUAL WELL RECORD

Date December 26, 1973 Reference No. 1

State Wyoming
owner State of Wyoming County Sweetwater

Operator Miami Oil Producers, Inc. Field Wildcat
Miami Oil Producers, Inc. District Rock Springs

Well No. 1 Subdivision DW NW

Location 660' PNL 660' R WL
660' from north line & 660' from west line, sec. 16

Drilling approved _____, 19____ Well elevation 7372 GR 7384 KB feet.

Drilling commenced October 17, 1973 Total depth 8565 feet.

Drilling ceased November 6, 1973 Initial production Dry

Completed for production _____, 19____ Gravity A. P. I. _____

Abandonment approved _____, 19____ Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depths	Contents
<u>Green River</u>	<u>Rock Springs</u>			

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1973										Drig. P&A		

REMARKS Replacement 8 5/8" LC @ 515' w/330 x
8 5/8" cc at 515' w/330 cc
 Top: Limon 6640' 6640'
Almond 7332' 7332'
Ericson 7895' 7895'
Rock Springs 8345' 8345'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

Sec. 28
T. 19N
R. 106W
6th P. Mer.
Ref. No. 2



AA 15/94

49-037-21128
PUBLIC LAND:

Date April 13, 1979

Land office Wyoming State Wyoming
Serial No. 58368 County Sweetwater
Lessee Edward Poitevent Field Wildcat
Operator Davis Oil Company INC District Rock Springs
Well No. 1 Subdivision C NW

*Leasing Rights
Company
Danko Petroleum
Mgmt, Inc
District 1/15/94*

*Hill Royal Resources
Green River Resources
Kestrel Energy*

Location 1320' from west line and 1523' from north line, Section 28

Drilling approved November 18, 1977 Well elevation 7347' GR 7368' KB feet
Drilling commenced December 8, 1977 Total depth 15,765 feet
Drilling ceased March 14, 1978 Initial production _____
Completed for production _____, 19____ Gravity A. P. I. _____
Abandonment approved _____, 19____ Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depth	Contents
<u>Green River</u>	<u>Dakota</u>	<u>DAKOTA</u>	<u>15,233 - 15,504'</u>	

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1977												Drlg
1978				ONPA								
1985					*TA							
1993												** G.S.T.

REMARKS Replacement 10-3/4" @ 1,266 w/1200 sx
mtm Blair 9,585 7-5/8" @ 15,765' w/1350 sx
2nd Frontier 14,700
Mowry 14,907
Muddy 15,217
Dakota 15,306

* CM 5/31/85
** CM 9/23/96