

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

5. Lease Designation and Serial No.

ML 35481

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.

Well No.1, State 15

10. Field and Pool, or Wildcat

Wildcat

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

Sec.15, T22S, R19E

12. County or Parrish 13. State

Grand Utah

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

Black Dome Energy

3. Address of Operator

1546 Cole Blvd., Suite 222, Golden, CO 80401

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

At surface 1953.2 FWL, 666.2 FSL **SE SW**

At proposed prod. zone Same

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

3 miles South of Crescent Junction, Utah

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

666.2'

16. No. of acres in lease

1282

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.

None

19. Proposed depth

1200 **Dakota**

20. Rotary or cable tools

Rotary

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

4676 GR

22. Approx. date work will start*

Oct.7, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
11"	8 5/8"	40#	160 ft.	circulate
7 7/8"	5 1/2"	15.5#	1200 ft.	100 sx

Surface Formation - Mancos
Propose to test Dakota Formation for oil.
State Bond No. 147F0515 - Travelers Indemnity

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 10/15/80

BY: [Signature]

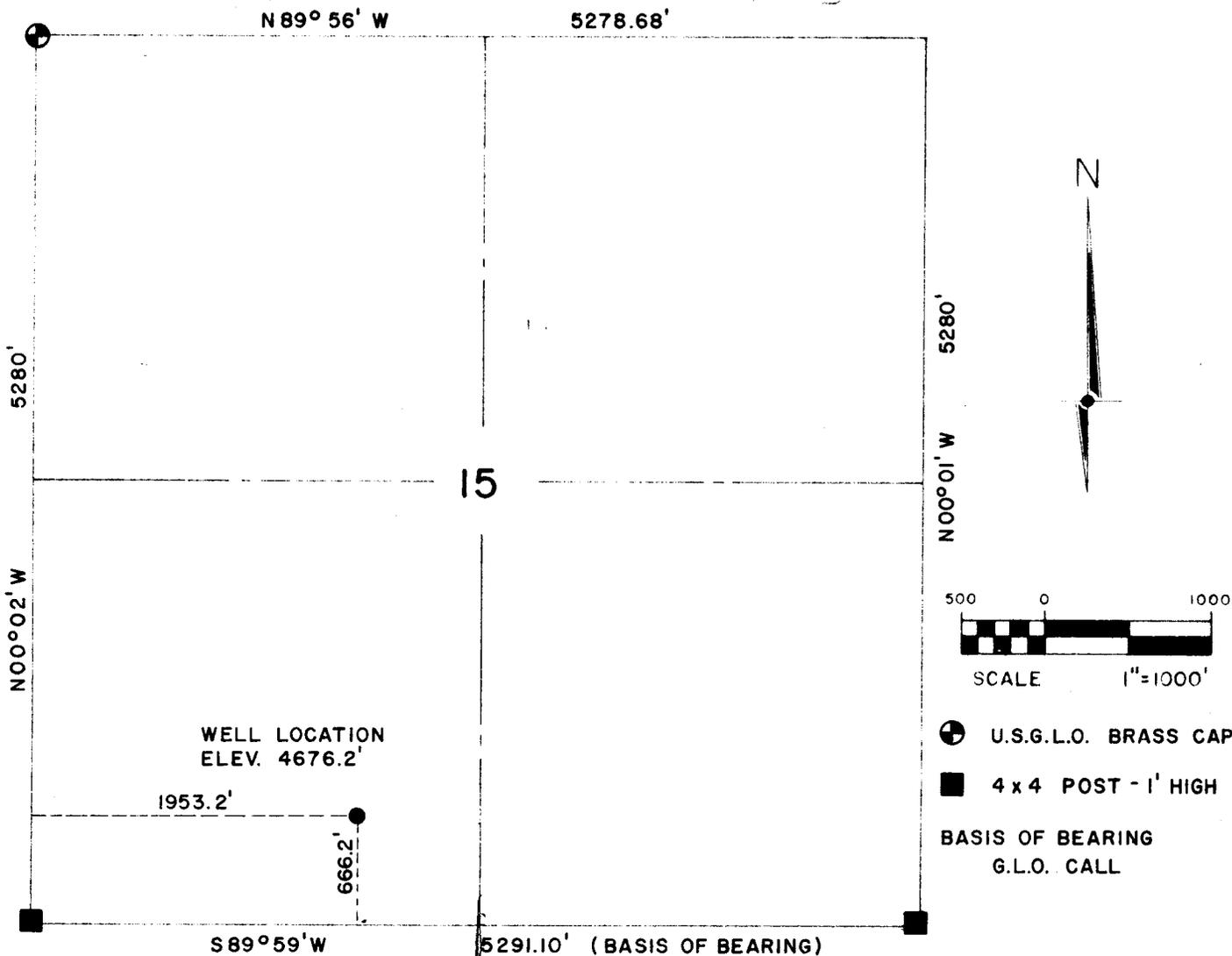
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. Signed [Signature] Title Consulting Engineer Date 9-25-80

(This space for Federal or State office use)

Permit No. 43-019-30709 Approval Date

Approved by _____ Title _____ Date _____
Conditions of approval, if any:



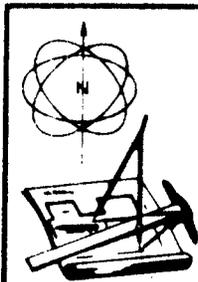
WELL LOCATION
 666.2 FT. N.S.L. - 1953.2 FT. E.W.L.
 SECTION 15, T.22S., R.19E., S.L.B. & M.
 GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong

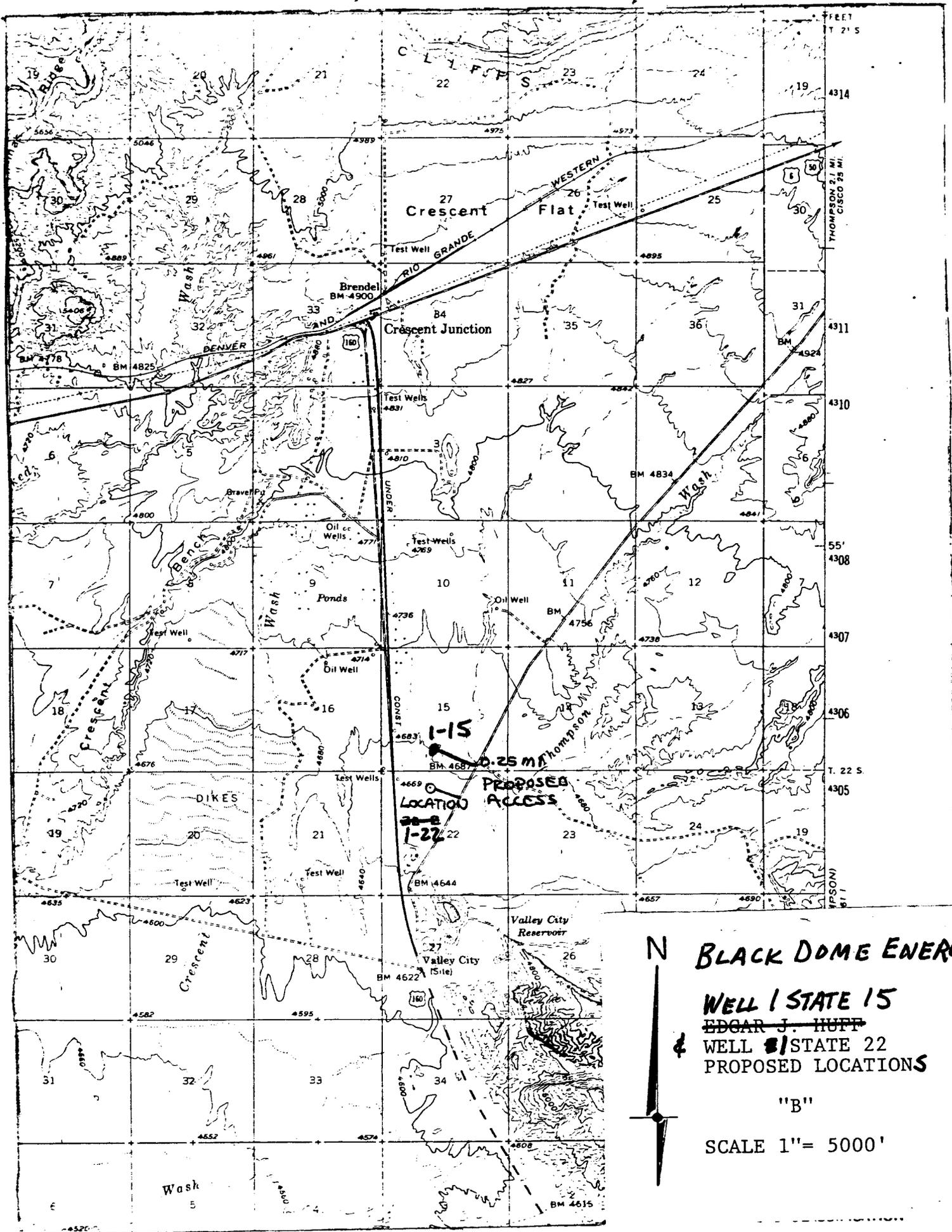
EDWARD A ARMSTRONG P.E. & L.S. 4464



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 861 ROOD AVENUE • GRAND JUNCTION, COLORADO 81501 • (303) 245-3861

SCALE 1"=1000'
 DATE 5/28/80
 DRAWN BY RLC
 CHECKED BY EAA
 DATE OF SURVEY 5/27/80

BLACK DOME ENERGY
 EDGAR J. HUFF
 STATE WELL 15-1
 1 STATE 15
 SHEET 1 of 1
 JOB NUMBER 802860



BLACK DOME ENERGY

WELL 1 STATE 15
~~EDGAR J. HUFF~~
WELL 2 STATE 22
PROPOSED LOCATIONS

"B"

SCALE 1" = 5000'



Light-duty ————— Unimproved dirt - - - - -

PCA

GEOLOGICAL WELL REPORT

BLACK DOME ENERGY CORPORATION
WELL NO. 1 STATE 15
1953' FWL, 666' FSL
TOWNSHIP 22 SOUTH, RANGE 19 EAST
GRAND COUNTY, UTAH

PREPARED BY

WESLEY PETTINGILL

Copies to: ~~Christine...~~
2 to Lisa Pettingill

WELL HISTORY

October 17, 1980 -- MIRT

October 18, 1980 -- Spud with 11" bit at 12:15 p.m. Drilled 160', 11" hole to set 8 5/8" surface casing. Wait on cementer, cement 8 5/8" surface casing, wait on cement.

October 19, 1980 -- Nipple up BOP & rotating head. Start drilling cement. Repair swivel, drilled shoe at 4:00 p.m., drilling 7 5/8" hole. Start air misting at 255'.

October 20, 1980 -- Reached TD of 1205' at 2:50 a.m., mud up hole, circulate, trip out for electric logs, logging, finished logging at 11:00 a.m., trip in with drill pipe and set plugs.

	<u>LOG TOPS</u>	<u>Sea Level Datum</u>
	<u>Depth surface</u>	
Mancos Shale		
"G" Marker Zone	547'	+ 4139'
Dakota Shales	658'	+ 4028'
Dakota Salt	696'	+ 3990'
Cedar Mountain	884'	+ 3802'
Morrison	962'	+ 3724'

LOG CALCULATIONS

<u>Depth</u>	<u>R_w</u>	<u>R_t</u>	<u>Porsity</u>	<u>S_w</u>
974-979	.22	12.5	17.5	46.3%
979-984	.22	9	18.5	57 %

SUMMARY

The Black Dome Energy Well No. 1 State 15 was drilled with air mist to test the Dakota Sand of lower cretaceous age. The control well was the Continental Salt Valley Unit #1 in the NW $\frac{1}{4}$ of Section 22, T22S, R19E, which has a Dakota Sand that appears to be a producible oil sand. The No. 1 State 15 well had no sand development in the Dakota Formation. Consequently, no hydrocarbon shows were encountered in the Dakota. However, there was one sandstone at the top of the Jurassic age Morrison Formation that calculates a fairly low water saturation. From the cutting samples, this sand appeared clay filled and lacked permeability and no hydrocarbon show was seen in the cutting samples.

Based on observations while drilling the No. 1 State 15 and the experience of drilling other wells in the general area, I feel that the proper decision was made to plug and abandon the No. 1 State 15.



Wesley Pettingill
Petroleum Geologist

SAMPLE DESCRIPTION

- 650-60 Shale -- Black, firm, slight gritty appearance due to minor silt, calcareous, mostly blocky with some thin partings
- 660-70 Shale -- As above with decreasing calcareous shale
- 670-80 Shale -- Mostly black, with some occasional dark gray shale, mostly firm with the dark gray shale moderately firm, silty, some slightly calcareous
- 680-90 Shale -- As above. Some Bentonite -- light gray to cream colored, with imbedded biotite.
- 690-700 Shale -- Dark gray with occasional black shale, moderately firm, blocky, silty with a gritty texture.
- 700-10 Shale -- As above
- 710-20 Shale -- Dark Gray, firm, silty texture, some brown siltstone, shaly, friable, no porosity
- 720-30 Shale -- Dark gray, soft, bentonitic
- 730-40 Shale -- Light gray with greenish cast, moderately firm, some large quartz pebble inclusions. Some sandstone, very shaly, very fine grained, some conglomeratic, moderately well cemented, tight, poorly sorted, no show.
- 740-50 Shale -- Light to medium gray, some with light green cast, moderately firm, some light gray shale has silty texture
- 760-70 Shale -- As above
- 770-80 Shale -- As above with increasing green cast
- 780-90 Shale -- Light gray, moderately firm, some firm, blocky, some silty with gray chert veining
- 790-800 Shale -- Light gray, some with green cast, slightly bentonitic, some silty
- 800-10 Shale -- As above
- 810-20 Shale -- Mostly light gray with some medium gray with trace green cast, moderately firm, some slightly silty
- 820-30 Shale -- Light gray, firm blocky, siliceous appearing with chert veining, some occasional light gray shale with green cast
- 830-40 Shale -- As above

- 840-50 Shale -- As above. Some siltstone, light brown, very shaly with no porosity
- 850-60 Shale -- Gray, some gray green, moderately firm, some slightly silty, trace tan dolomitic shale, firm
- 860-70 Shale -- Gray to gray green, firm, some silty, some imbedded quartz pebbles
- 870-80 Shale -- As above
- 880-90 Shale -- Gray and gray green as above with some maroon shale, firm, fissile
- 890-900 Shale -- Gray and gray green, decreasing maroon shale, moderately firm, some gray shale, slightly silty
- 900-10 Shale -- Light gray, medium gray, no maroon, moderately firm silty, non-calcareous, blocky
- 910-20 Shale -- As above
- 920-30 Shale -- Light to medium gray, firm, silty, some imbedded quartz pebbles
- 930-40 Shale -- Mostly light gray, some medium gray, moderately firm, some with slight gritty texture, blocky. Siltstone -- white to light gray, hard, well cemented, shaly, tight, no show
- 940-50 Shale -- Medium gray, some light gray with green cast, firm, blocky, some light gray shale with slight waxy appearance.
- 950-60 Shale -- Light gray, light green, firm, some with slight silty texture, some light green shale with waxy appearance.
- 960-70 Shale -- As above
- 970-80 Shale -- Mostly gray with some gray green, slight waxy appearance, blocky, some slightly fissile
- 980-90 Shale -- As above. Sandstone -- white, very fine to fine grained, moderately well sorted with rounded and subrounded grains, well cemented, very slightly calcareous, tight, abundant clay filling, appears to lack permeability, no show
- 990-1000 Shale -- Sandstone- As above
- 1000-10 Shale -- Maroon, light green, some maroon shale with silty texture, moderately hard.
- 1010-50 Shale -- Maroon, light brown, reddish brown, light green, mottled, some silty-sandy, moderately firm to soft.
- 1050-70 Shale -- Mostly maroon, some light green, mottled, silty, blocky, firm
- 1070-90 Shale -- As above with increase light green, some light green soft and gummy.

- 1090-1100 Shale-- Reddish brown, some red, light green, maroon, soft to firm, some bentonitic, sandy to slightly conglomeratic with some large subrounded imbedded chert nodules
- 1100-10 Shale -- Light green, reddish brown, slightly sandy to conglomeratic with abundant large imbedded subrounded chert nodules, blocky
- 1110-50 Shale -- Verigated red, maroon, and light green, very silty to sandy, blocky
- 1150-60 Shale -- As above with some siltstone, light brown, shaly, soft tight, no show
- 1160-1200 Shale-- Mostly maroon, red, with trace light green, mottled, blocky some maroon and red very silty and sandy, firm to soft and bentonitic

** FILE NOTATIONS **

DATE: October 10, 1980
OPERATOR: Black Dome Energy
WELL NO: State 15-1
Location: Sec. 15 T. 22S R. 19E County: Grand

File Prepared: Entered on N.I.D.:
Card Indexed: Completion Sheet:

API Number 43-019-30709

CHECKED BY:

Petroleum Engineer: verbal approval given by MTM

Director: OK under rule C-3

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. _____ O.K. Rule C-3

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

Lease Designation Plotted on Map

Hot Line Approval Letter Written
P.I.

October 17, 1980

Black Dome Energy
1546 Cole Blvd.
Suite 222
Golden, Colorado 80401

Re: Well No. State 15-1
Sec. 15, T. 22S, R. 19E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30709.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

Feight / KA

/ka
cc: Donald Prince

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED

NOV 7 1960

DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Well No. 1 State 15

Operator Black Dome Energy Corp. Address 1546 Cole Blvd., #222, Golden,

Contractor Starner Drilling Co. Address Box 1868, Grand Junction, CO 80401
CO 81501

Location SE 1/4 SW 1/4 Sec. 15 T: 22S R: 19E County Grand

Water Sands

	<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
	From	To	Flow Rate or Head	Fresh or Salty
1.	0'	1185'	No water sands encountered while drilling	
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

<u>Formation Tops</u>	Dakota Shales	658'
	Dakota Salt	696'
	Cedar Mountain	884'
<u>Remarks</u>	Morrison	962'

No water sands encountered while drilling

NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.

(b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

April 6, 1981

Black Dome Energy
1546 Cole Blvd.
Suite 222
Golden, Colorado 80401

Re: Well No. State #15-1
Sec. 15, T. 22S. E. 19E.
Grand County, Utah
(December 1980- March 1981)

Gentlemen:

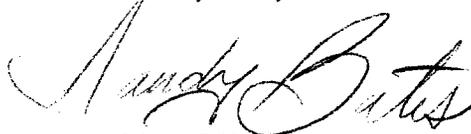
Our records indicate that you have not filed the Monthly drilling reports for the months indicated above on the subject well.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on WELLS", or on company forms containing the substantially the same information. We are enclosing forms for your convenience,

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING



SANDY BATES
CLERK-TYPIST

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

5. LEASE DESIGNATION AND SERIAL NO.

ML 35481

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

--

8. FARM OR LEASE NAME

--

9. WELL NO.

No. 1 State 15

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR ARRA

Sec. 15
T22S-R-19E

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(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.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
BLACK DOME ENERGY CORPORATION 303-233-1425

3. ADDRESS OF OPERATOR
1546 Cole Boulevard, Suite 222, Golden CO 80401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
1953.2 FWL 666.2 FSL SE SW

14. PERMIT NO.
43-019-30709

15. ELEVATIONS (Show whether DF, RT, OR, etc.)
4676 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" 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 COMPLETED 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.)*

Well was completed 10-19-80 as a dry hole. Well was plugged and abandoned 10:25 a.m. on 10-20-80 according to instructions of Jack Fright of your Division.

18. I hereby certify that the foregoing is true and correct

SIGNED C. H. Shuff

Vice President
TITLE Engineering & Production

RECEIVED
APR 15 1981

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

APR 15 1981

DIVISION OF
OIL, GAS & MINING

May 15, 1981

Black Dome Energy Corp.
1546 Cole Boulevard, Suite 222,
Golden, Colorado 80401

Re: Well No. 1 State 15
Sec. 15, T.22S. R.19E.
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS. AND MINING



SANDY BATES
CLERK-TYPIST

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other P & A

2. NAME OF OPERATOR
Black Dome Energy Corporation

3. ADDRESS OF OPERATOR
1546 Cole Blvd., Suite 222, Golden, CO 80401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface
 At top prod. interval reported below) **1953 FWL & 666 FSL**
 At total depth) **or SE SW**

5. LEASE DESIGNATION AND SERIAL NO.
ML 35481

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.
No. 1 State 15

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 15-T22S-R19E

14. PERMIT NO. **43-019-30709** DATE ISSUED **10-15-80**

12. COUNTY OR PARISH **Grand** 13. STATE **Utah**

15. DATE SPUDDED **10-18-80** 16. DATE T.D. REACHED **10-19-80** 17. DATE COMPL. (Ready to prod.) **P & A 10-20-80** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* **4676 GL & 4686 KB** 19. ELEV. CASINGHEAD **4676**

20. TOTAL DEPTH, MD & TVD **1185** 21. PLUG, BACK T.D., MD & TVD **--** 22. IF MULTIPLE COMPL., HOW MANY* **--** 23. INTERVALS DRILLED BY **All** ROTARY TOOLS **All** CABLE TOOLS **--**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* **None** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **Dual Induction - Compensated Density** 27. WAS WELL CORED **No**

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	20#	160'	11"	50 Sacks Class G	0

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) _____

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) _____ TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS _____

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
 SIGNED **C.W. Huff, Jr.** TITLE **Vice President-Engineering and Production** DATE **May 26, 1981**

*(See Instructions and Spaces for Additional Data on Reverse Side)

July 6, 1981

Black Dome Energy Corporation
1546 Cole Blvd., Suite 222
Golden, Colorado 80401

Re: Well No. No. 1 State 15
Sec. 15, T. 22S, R. 19E
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office 5-26-81, from above referred to well indicates the following electric logs were run: Dual Induction - Compensated Density. As of todays date this office has not received these logs.

Rule C-5, General Rules and Regulations and Ruels of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

YOUR PROMPT ATTENTION to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Sandy Bates
Clerk-Typist

/lm

WELL DATA

Operator: Black Dome Energy Corporation

Well: No. 1 State 15

Depth: 1185' corrected SLM, 1186' Logger

Location: 1953' FWL, 666' FSL
SESW, Section 15
Grand County, Utah

Elevation: 4676' GL, 4686' KB

Drilling Contractor: Starner Drilling Co.
Stan Starner, Tool Pusher
Rig No. 3

Operator Representative: C. W. Huff, Jr.

Engineer: Newt Burkhalter

Geologist: Wesley Pettingill

Cores: None

Drill Stem Tests: None

Cutting Samples: 10' samples, 650' to TD (1205')

Mud: Drilled with air, Gel-Chem for logging

Electric Logging: Schlumberger Well Services
Dual Induction-SFL, SP 1180' to 164'
Compensated Formation Density Log, GR 1184' to 164'
Eric Danas Schlumberger Engineer

Status: Plugged and Abandoned

Plugs: 60 SX @ 800'
30 SX @ 200'
10 SX @ Surface

RECEIVED
MAY 8 1981

DIVISION OF
OIL, GAS & MINING