

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

5. Lease Designation and Serial No.

ML 36747

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

Black Rock Unit

b. Type of Well

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

8. Farm or Lease Name

2. Name of Operator

Patrick Petroleum Corp. of Michigan; LeClair-Westwood, Agent

9. Well No.

1

3. Address of Operator

388 Denver Club Bldg., Denver, CO 80202

10. Field and Pool, or Wildcat

Wildcat

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

At surface 550' FSL, 2140' FEL

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

Sec 2, T39S, R21E

At proposed prod. zone

SW/4, SE/4

12. County or Parrish 13. State

San Juan, Utah

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

20 miles southwest of Blanding, Utah

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

550'

16. No. of acres in lease

640 acres

17. No. of acres assigned to this well

40 acres

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

none

19. Proposed depth

6200' DC.

20. Rotary or cable tools

Rotary

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

5347' GR

22. Approx. date work will start*

January 15, 1981

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8"	48#/ft	300'	Sufficient to circulate
7-7/8"	4-1/2"	10.5 and 11.6#/ft.	6200'	250sxs

The well will be spudded and 30' of 20", conductor pipe will be set. We propose to drill a 17-1/2" hole to 300', set 300' of 13-3/8" surface casing, drill a 7-7/8" hole to 6200'. Test the Ismay and Desert Creek or any shallower zones of significance. If productive, set 6200' of 4-1/2" casing. If dry, plug and abandon as per Utah Division of oil, gas and mining regulations.

BOP will consist of a 10"-5000# Double Gate Shaffer and spherical, or a 10"-3000# with pipe and CSO Rams.

Testing procedures: Equipment will be tested prior to drilling out from under surface and operational checks will be made daily thereafter.

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 Oraig S. Grodnera Title Production Engineer Date 12/4/80

(This space for Federal or State office use)

Permit No. Approval Date

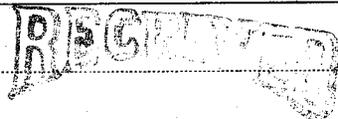
Approved by APPROVED BY THE DIVISION Title

Conditions of approval, if any OF OIL, GAS, AND MINING

DATE: 1-2-81

BY: W.S. Minder

See Instructions On Reverse Side



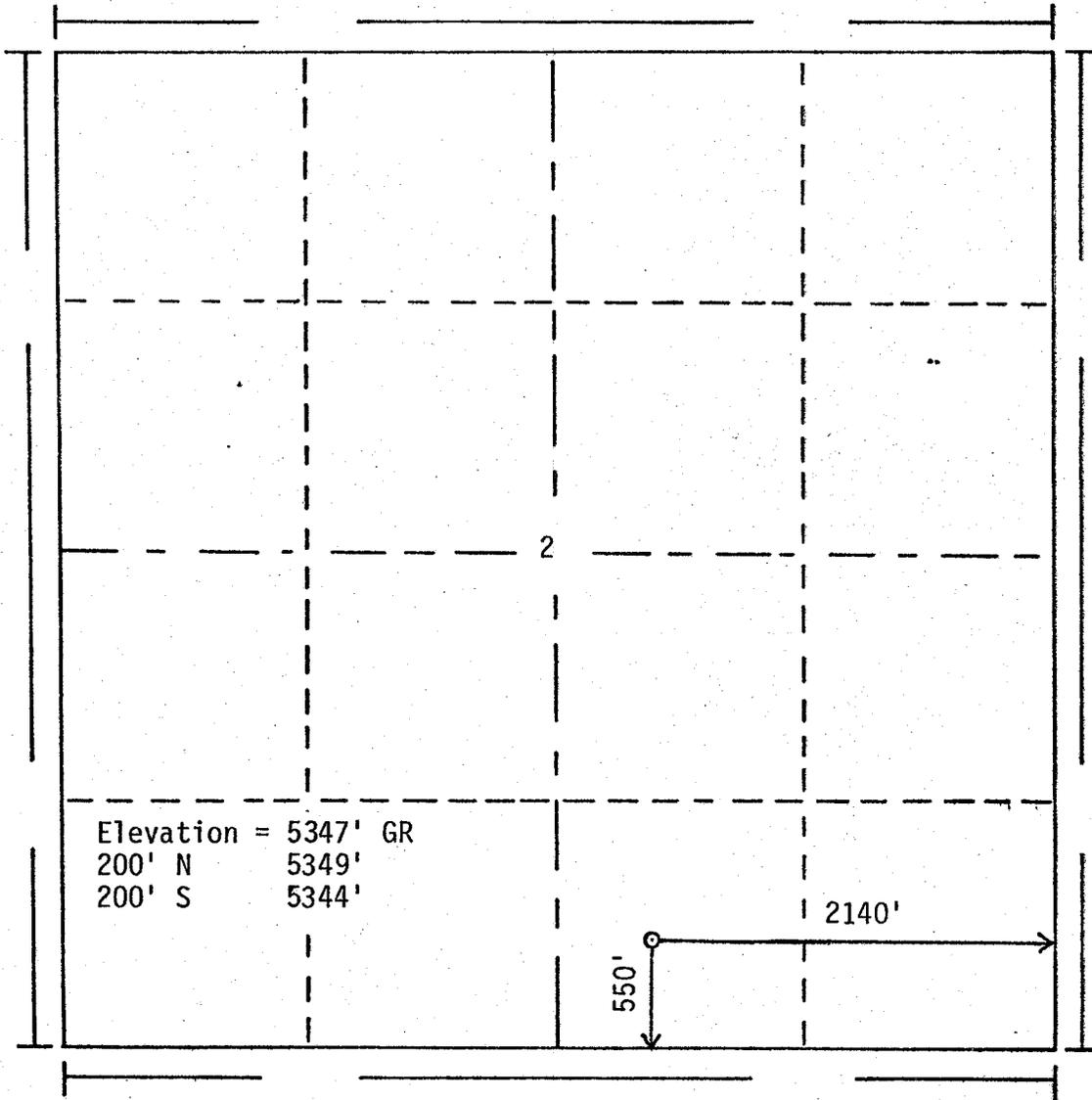
DEC 30 1980

DIVISION OF OIL, GAS & MINING



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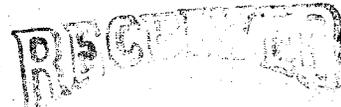
R. 21 E



T. 39 S

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from Craig Onodera
 for Patrick Petroleum Corporation
 determined the location of Black Rock Unit #1
 to be 550' FSL & 2140' FEL Section 2 Township 39 S
 Range 21 E Salt Lake Principal Meridian
 San Juan County, Utah



I hereby certify that this plat is an accurate representation of a correct survey showing the location of

DEC 30 1980

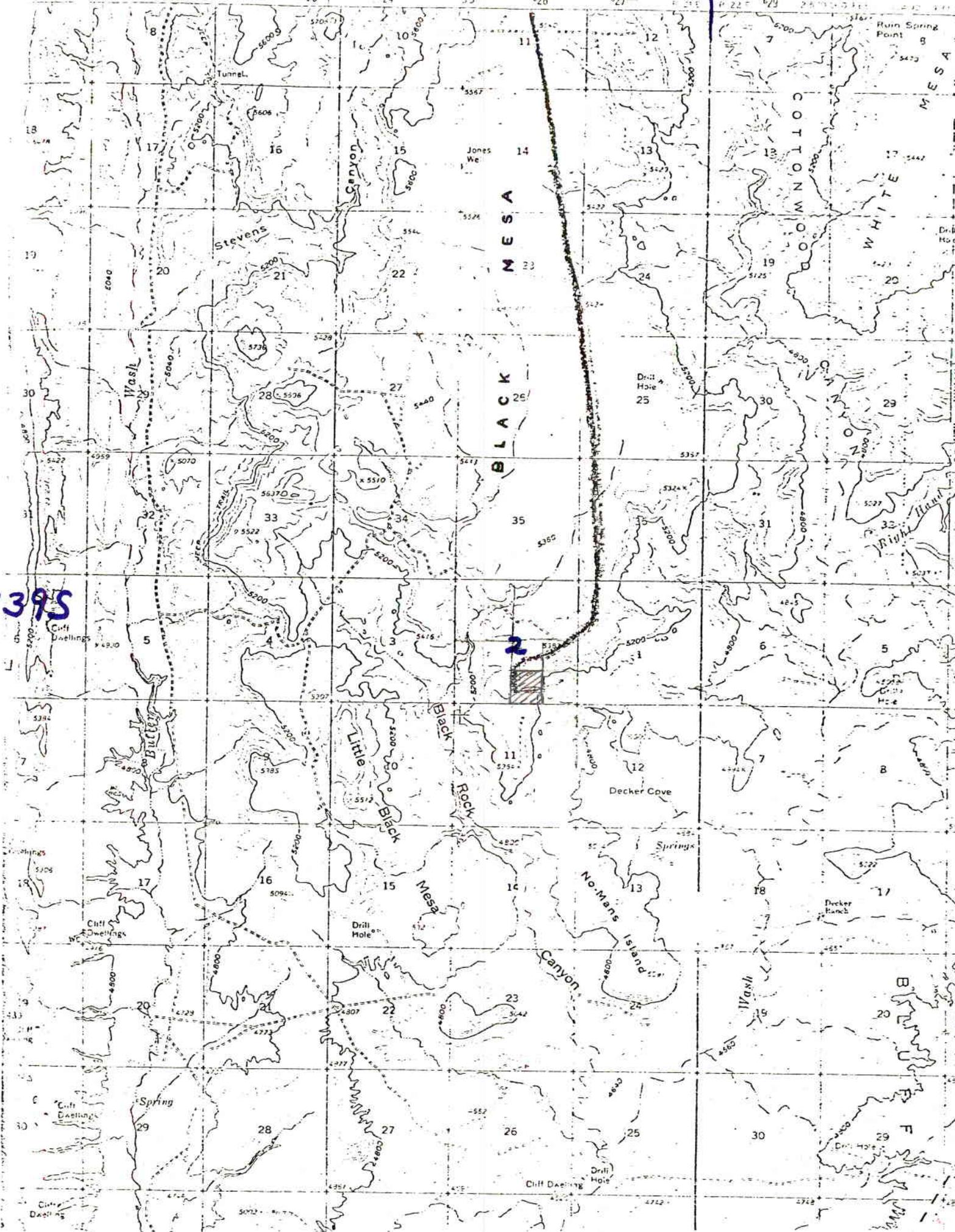
Date: 12-1-80

J. Nelson
 Licensed Land Surveyor No. LS 2711
 State of Utah

DIVISION OF OIL, GAS & MINING

021E

IBRUSHY BASIN WASH



T39S

2

MESA

COTTONWOOD WASH

WHITE

INJUAN

TRIAL

Butter

Little Black

Rock

Decker Cove

Springs

No-Mans Island

Canyon

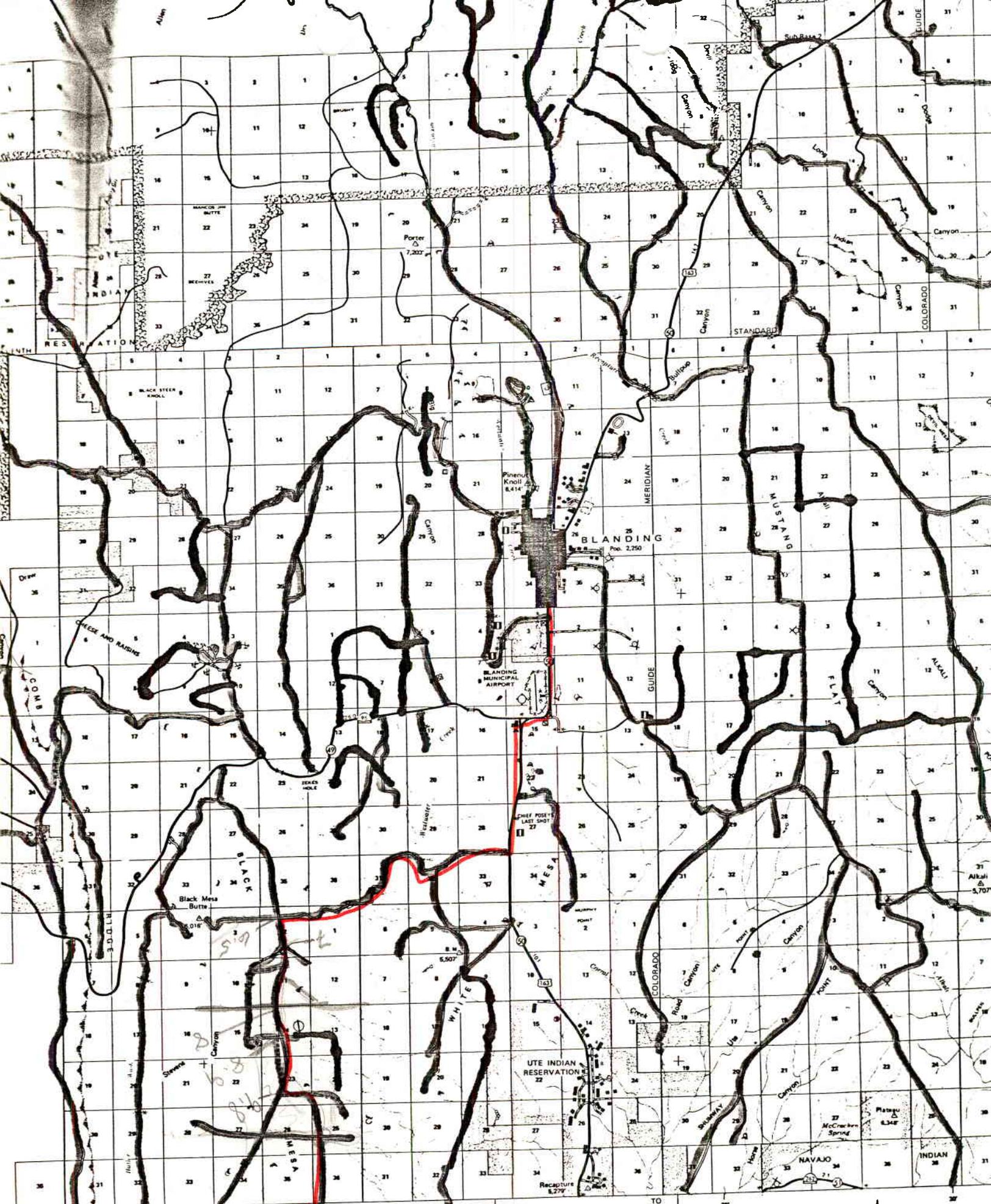
Wash

Spring

Cliff Dwelling

Drill Hole

Drill Hole



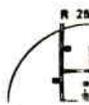
2,500,000 S.Z.
R 21 E



101
R 22 E

2,800,000 S.Z.

R 23 E



ENVIRONMENTAL EVALUATION
FOR PROPOSED STATE ACTIONS

State Clearinghouse, Attn: A-95 Coordinator, Room 124 State Capitol, Salt Lake City, Utah 84114, Tel: (801) 533-6081

1. Legal Applicant (State Agency, address, city, state, ZIP code) Division of Oil, Gas and Mining 1588 West North Temple Salt Lake City, Utah 84116	2. State Application Identifier Number 3. Approximate date action will be initiated: 1/5/81
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4. Type of Action

<input type="checkbox"/> Lease	<input checked="" type="checkbox"/> Permit	<input type="checkbox"/> License	<input type="checkbox"/> Land Acquisition
<input type="checkbox"/> Land Sale	<input type="checkbox"/> Land Exchange	<input type="checkbox"/> Other (specify) _____	

5 a. Title of proposed action: Well drilling, Black Rock Canyon Unit.

5 b. Description

The applicant proposes to drill a well on Black Mesa at a site approximately eight miles south of Highway U-95. LeClair-Westwood, Inc., acting for Patrick Petroleum Corporation has already removed vegetation and leveled a pad at the site. The pad size was measured to be approximately 1.26 acres. A drilling rig will be brought into the site and a mud pit constructed.

6. Lands Affected (Site location map required)

SW 1/4, SE 1/4, Section 2, T. 39 S., R. 21 E., San Juan County, Utah

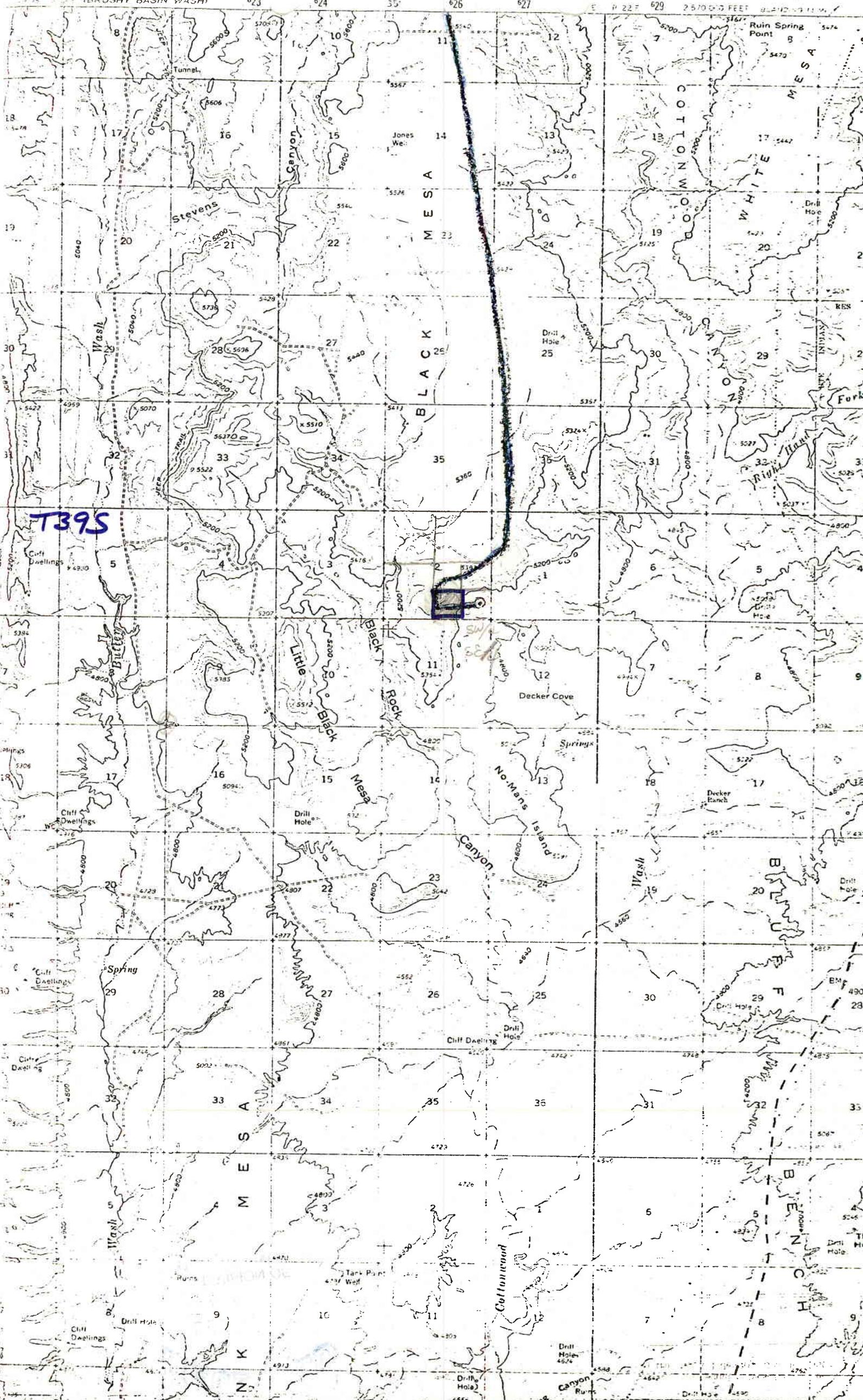
This site is on the southeast edge of Black Mesa.

7. Possible significant impacts likely to occur

Any impacts to archeological resources at the site may likely have already occurred. Impacts to wildlife or domestic grazers is expected to be minimal due to the small size of the site and the fact that the roads to the site are existing.

8. For further information contact: Cleon B. Feight Telephone No. (801) 533-5771	9. Signature and Title of Authorized Officer Date:
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R21A



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

SUBMIT IN TRIPLICATE*
 (Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. ML 36747
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name Black Rock Unit
2. Name of Operator Patrick Petroleum Corp. of Michigan; LeClair-Westwood, Agent			8. Farm or Lease Name
3. Address of Operator 388 Denver Club Bldg., Denver, CO 80202			9. Well No. 1
4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface 550' FSL, 2140' FEL At proposed prod. zone SW/4, SE/4			10. Field and Pool, or Wildcat Wildcat
14. Distance in miles and direction from nearest town or post office* 20 miles southwest of Blanding, Utah			11. Sec., T., R., M., or Blk. and Survey or Area Sec 2, T39S, R21E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 550'	16. No. of acres in lease 640 acres	17. No. of acres assigned to this well 40 acres	12. County or Parrish 13. State San Juan, Utah
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. none	19. Proposed depth 6200'	20. Rotary or cable tools Rotary	22. Approx. date work will start* January 15, 1981
21. Elevations (Show whether DF, RT, GR, etc.) 5347' GR			

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
17-1/2"	13-3/8"	48#/ft	300'	Sufficient to circulate
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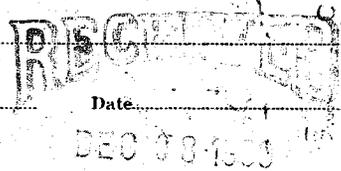
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24. Signed Craig S. Onodera Title Production Engineer Date 12/4/80
 (This space for Federal or State office use)

Permit No. _____ Approval Date _____
 Approved by _____ Title _____ Date _____
 Conditions of approval, if any: _____

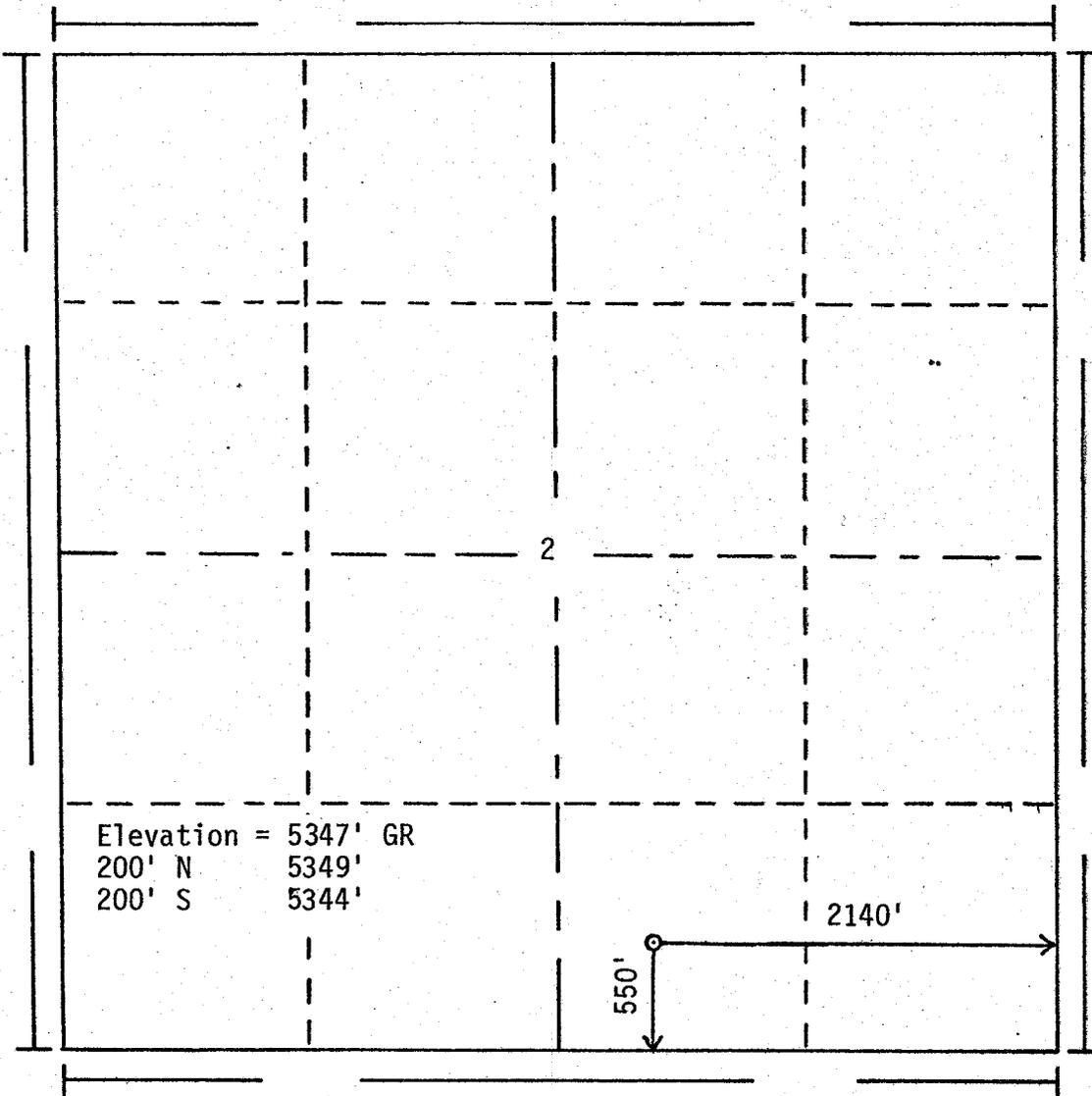


*See Instructions On Reverse Side



N

R. 21 E



T. 39 S

Scale... 1" = 1000'

Powers Elevation of Denver, Colorado
 has in accordance with a request from Craig Onodera
 for Patrick Petroleum Corporation
 determined the location of Black Rock Unit #1
 to be 550' FSL & 2140' FEL Section 2 Township 39 S
 Range 21 E Salt Lake Principal Meridian
 San Juan County, Utah



I hereby certify that this plat is an accurate representation of a correct survey showing the location of

DEC 08 1980

Date: 12-1-80

T. Nelson
 Licensed Land Surveyor No. LS 2711
 State of Utah

DIVISION OF OIL, GAS & MINING



LeCLAIR - WESTWOOD, INC.

388 DENVER CLUB BUILDING
DENVER, COLORADO 80202
(303) 825-4258

December 15, 1980

Utah Division of Oil, Gas and Mining
1588 West, North Temple
Salt Lake City, Utah

Re: Surface Inspection
Black Rock Canyon Unit #1
SW/4, SE/4, Sec. 2, T39S, R21E
San Juan County, Utah

Gentlemen:

We are planning on drilling a well in the SW/4, SE/4, Sec. 2, T39S, R21E. Since it is on State land, a surface inspection must be done because the nearest well is in the SE/4, SW/4, Sec. 34, T38S, R21E., approximately 1.6 miles away.

Enclosed is the information to help you with this inspection.

If you have any questions, please feel free to call.

Sincerely yours,

LeCLAIR-WESTWOOD, INC.

Craig S. Onodera
Production Engineer

CSO/dsh

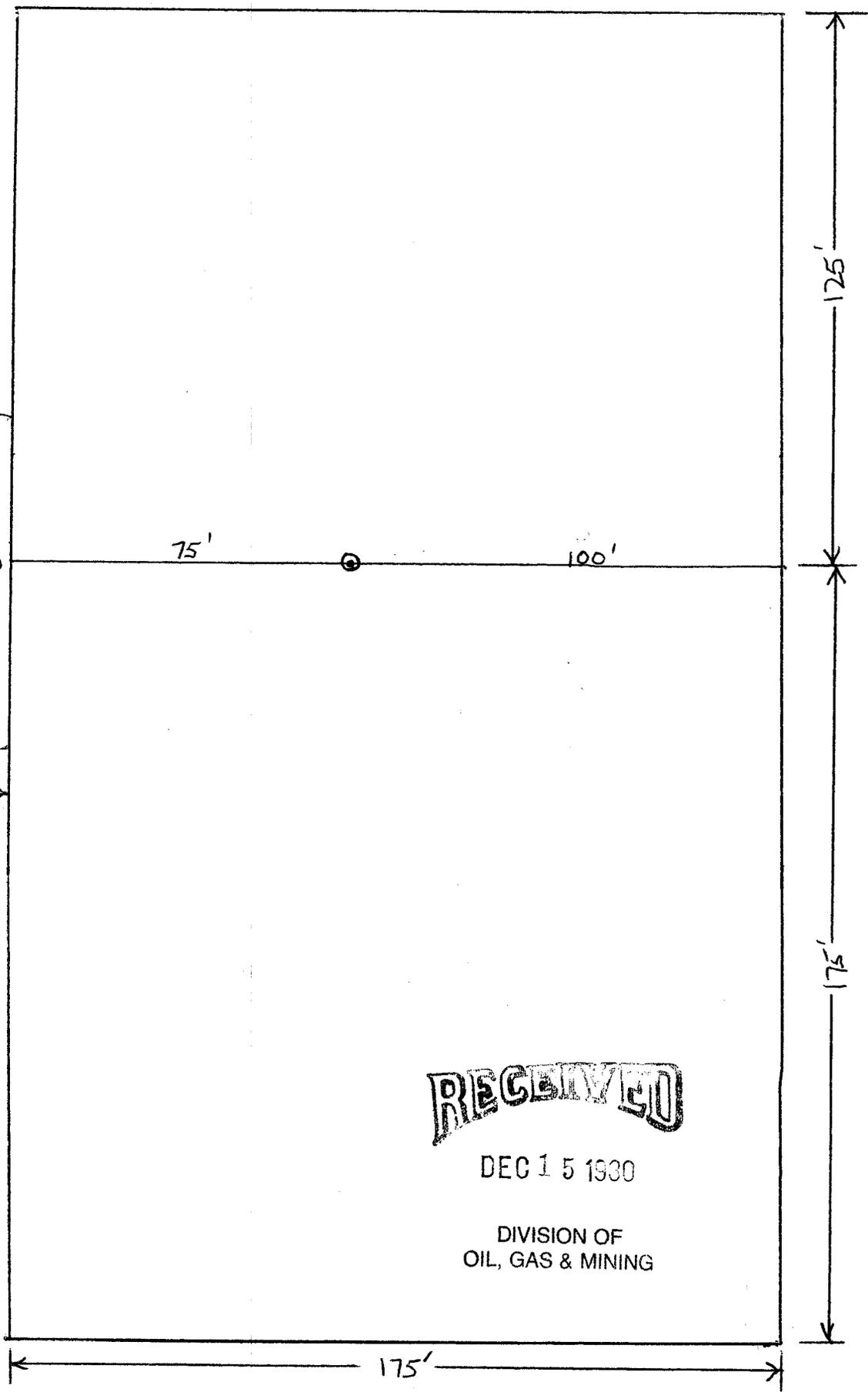
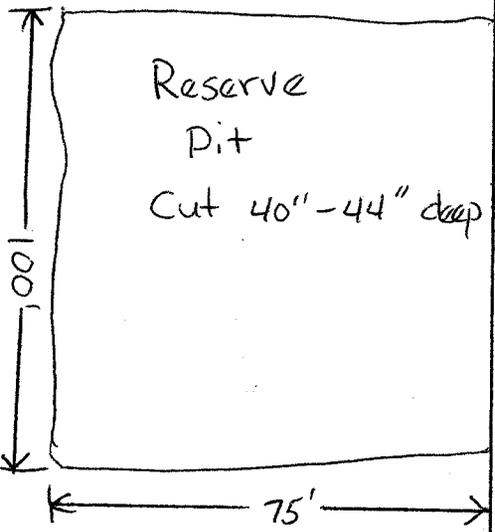
Enclosures

RECEIVED

DEC 15 1980

DIVISION OF
OIL, GAS & MINING

Well Pad



RECEIVED

DEC 15 1930

DIVISION OF
OIL, GAS & MINING

** FILE NOTATIONS **

DATE: Dec. 16, 1980
OPERATOR: Patrick Petroleum Corp. of Michigan
WELL NO: Black Rock Unit #1
Location: Sec. 2 T. 39S R. 21E County: San Juan

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

API Number 43-037-30630

CHECKED BY:

Petroleum Engineer: M. J. Meriden 1-15-81
Bond has been submitted to G Peirce St. Lands, verbal granted by J. Feight prior to this approval date.

Director: Must do environmental assessment - However well OK under rule C-3

Administrative Aide: C-30 spacing

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 St. Plotted on Map

Approval Letter Written

Hot Line P.I.

January 19, 1981

Patrick Petroleum Corporation
388 Denver Club Building
Denver, Colorado 80202

Re: Well No. Black Rock Unit #1
Sec. 2, T. 39S, R. 21E
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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 43-037-30630.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

/ko
cc: Donald Prince, State Land Board

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN THIS MANNER
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NO.
(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.)		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	
2. NAME OF OPERATOR Patrick Petroleum Corp.; LeClair-Westwood, Inc. - Agent	8. FARM OR LEASE NAME Black Rock Unit	
3. ADDRESS OF OPERATOR 388 Denver Club Building Denver, CO 80202	9. WELL NO. #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 550' FSL, 2140' FEL SW/4, SE/4	10. FIELD AND POOL, OR WILDCAT Wildcat	
14. PERMIT NO. -----	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5347' G.R.	11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 2, T39S - R21E
		12. COUNTY OR PARISH San Juan
		13. STATE 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"/>	PULL 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 type="checkbox"/>	(Other) <u>Setting conductor pipe</u> <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.)*

L.C. Jones set 40' of 20" conductor pipe on 1/16/81 and cemented to surface.

RECEIVED
JAN 20 1981
DIVISION OF
OIL, GAS & MINING

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

SIGNED Gea J. Green TITLE Para-Engineer DATE 1/27/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: Patrick Petroleum
State of Utah
BLM - Moab

*See Instructions on Reverse Side

M

P. O. Box 3524
Durango, Colorado 81301

February 5, 1981

Patrick Petroleum Company
c/o LeClair-Westwood, Inc.
388 Denver Club Building
Denver, Colorado 80202

Gentlemen:

Reference is made to your staking request, dated January 26, 1981, for Well No. 2 Black Rock Unit, located 1715' FML and 2570' FEL, sec. 11, T. 39 S., R. 21 E., SLM, San Juan County, Utah, on Federal oil and gas lease U-22758. The U.S. Geological Survey may grant exceptions to Title 30 CFR 221.20 for topographical reasons. However, approval for non-standard locations must also be granted by the Utah Division of Oil, Gas, and Mining in accordance with their Rule C-3.

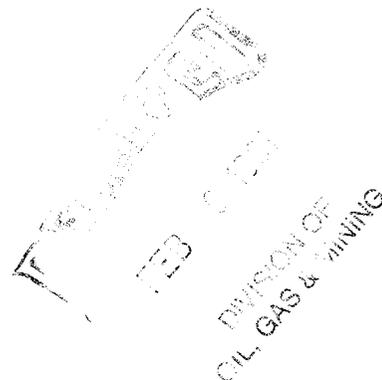
All lands in section 11 are committed to the Black Rock Canyon Unit. You may wish to consider a more favorable location in section 11 for Well No. 2.

Sincerely yours,

(Orig. Sgd.) C. A. BARRICK

JL John L. Price
District Oil and Gas Supervisor

cc: Utah Div Oil, Gas & Mining



DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Patrick Petroleum Howard Tindall 303-825-4258

WELL NAME: Black Rock 1-11 State

SECTION 2 TOWNSHIP 39S RANGE 21E COUNTY San Juan

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 6566'

CASING PROGRAM:

- 24" @ 60' cement to surface
- 13 3/8" @ 352' Cement to surface
- 7 7/8" openhole TD

PLUGS SET AS FOLLOWS:

- 100' Desert Creek 6350-6450'
- 100' Ismay 6120-6220'
- 100' Chinle 3350-3450'
- 50' in and out surface casing
- 10 sax and marker

FORMATION TOPS:

- Navajo- surface
- Chinle- 2289'
- De Ch.- 3399'
- Cutler- 3504'
- U. Hermosa- 5274'
- Ismay U.- 6160' H₂O
- Ismay L.- 6258'
- Base- 6316'
- Desert Creek- 6376'
- Base- 6466'

DST:

- 1). Misrun
- 2) 6446-6566'

Core:

6340-84'

Place fresh water gel based abandonment mud between plugs; erect regulation dryhole marker; clean up and restore site; notify Division when prepared for inspection.

DATE 4-10-81

SIGNED C. B. Feight

cc: Patrick Petroleum

COMPLETION REPORT

Patrick Petroleum
Black Rock #1-11
San Juan County, Utah

Location: Section 2, T39S-R21E
550' FSL
2140' FEL

Elevations: KB 5361'
DF 5360
GL 5347
TD 6566 (Driller)

Logs Run: DIL Base Surf Csg to TD
Sonic GR Base Surf Csg to TD
CNL-FDC 4000' to T.D.

Log Tops:	Wingate	2223'
	Chinle	2371'
	Moenkopi	3267
	DeChelly	3470'
	Cutler	3588'
	U. Hermosa	5344'
	U. Ismay	6229'
	L. Ismay	6325'
	Gothic	6380'
	Desert Creek	6440'

Tests: DST 6330-6384' Rec. 270 ft. M
IH 3072
IF 87-96
ISI 1924
FF 115-142
FSI 2128
FH 3078

DST 6446-6566' Rec. 120 ft. SGCM
IH 3163
IF 90-109
ISI 1888
FF 125-150
FSI 1902
FH 3163

Cores: 6330-6384' Rec. 43 ft. of limestone, tight with live oil stain and bleeding oil and salt water.

PRELIMINARY REPORT

CORE LABORATORIES, INC.
 Petroleum Reservoir Engineering
 DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company PATRICK PETROLEUM CORP. Formation Lower Ismay File RP-3-3068
 Well #1 Black Rock Core Type D.C. 4" Date Report 4-7-81
 Field Wildcat Drilling Fluid Gel Analysts Getz
 County San Juan State Utah Elev. 5361KB Location SW, SE Sec. 2-39S-21E

Lithological Abbreviations

SAND-SD SHALE-SH LINE-LM DOLOMITE-DOL CHERT-CH GYPSUM-GYP ANHYDRITE-ANHY CONGLOMERATE-CONS FOSSILIFEROUS-FOSS SANDY-SOY SHALY-SHY LIMY-LMY FINE-FN MEDIUM-MED COARSE-CSE CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL BROWN-BRN GRAY-GY VUGGY-VGY FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY SLIGHTLY-SL VERY-V/ WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	

CONVENTIONAL ANALYSIS

RECEIVED

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
	6330-31					Sample taken at APR 13 1981
1	6331-32	<0.01	0.7	0.0	57.1	LM-GRY, f xln
2	6332-33	<0.01	1.3	0.0	46.2	LM-GRY, f xln
3	6333-34	0.02	5.1	2.0	60.8	LM-GRY, f xln
4	6334-35	<0.01	2.9	3.4	48.3	LM-GRY, f xln, sty
5	6335-36	<0.01	2.2	3.4	48.3	LM-GRY, f xln
6	6336-37	<0.01	1.5	0.0	53.3	LM-GRY, f xln
7	6337-38	<0.01	1.1	9.1	36.4	LM-GRY, f xln
8	6338-39	<0.01	0.5	0.0	80.0	LM-GRY, f xln
9	6339-40	<0.01	2.6	3.8	38.5	LM-GRY, f xln, sty
10	6340-41	0.01	1.0	10.0	40.0	LM-GRY, f xln, VF
11	6341-42	<0.01	3.7	5.4	40.5	LM-GRY/BRN, f xln, dol, sl/vug
12	6342-43	0.03	3.6	5.5	33.3	LM-GRY/BRN, f xln, dol, sl/vug, sty
13	6343-44	0.04	5.2	1.9	44.2	LM-GRY/BRN, f xln, dol, sl/vug
14	6344-45	0.05	4.4	2.3	43.2	LM-GRY/BRN, f xln, dol, sl/vug
15	6345-46	0.06	3.3	0.0	30.3	LM-GRY/BRN, f xln, dol, sl/vug
16	6346-47	0.03	1.5	0.0	40.0	LM-GRY/BRN, f xln, dol, sl/vug
17	6347-48	1.0	2.8	0.0	14.3	LM-GRY/BRN, f xln, dol, sl/vug
18	6348-49	0.07	1.8	0.0	22.2	LM-GRY/BRN, f xln, dol, sl/vug
19	6349-50	2.5	4.9	0.0	40.8	LM-GRY/BRN, f xln, dol, sl/vug
20	6350-51	0.01	1.9	5.3	31.6	LM-GRY/BRN, f xln, dol, sl/vug
21	6351-52	0.31	5.2	3.8	23.1	LM-GRY/BRN, f xln, dol, sl/vug
22	6352-53	0.24	3.2	0.0	6.3	LM-GRY/BRN, f xln, dol, sl/vug
23	6353-54	0.05	3.4	0.0	17.6	LM-GRY/BRN, f xln, dol, sl/vug
24	6354-55	0.07	3.6	0.0	5.5	LM-GRY/BRN, f xln, dol, sl/vug
25	6355-56	0.08	4.8	2.1	29.2	LM-GRY/BRN, f xln, dol, sl/vug
26	6356-57	0.57	5.6	0.0	58.9	LM-GRY/BRN, f xln, dol, sl/vug
27	6357-58	0.33	6.3	1.6	46.0	LM-GRY/BRN, f xln, dol, sl/vug
28	6358-59	0.06	5.0	0.0	28.0	LM-GRY/BRN, f xln, dol, sl/vug
29	6359-60	0.18	3.9	0.0	30.8	LM-GRY/BRN, f xln, dol, sl/vug
30	6360-61	1.7	3.6	0.0	38.9	LM-GRY/BRN, f xln, dol, sl/vug
31	6361-62	0.05	2.8	3.6	35.7	LM-GRY/BRN, f xln, dol, sl/vug
32	6362-63	0.03	3.1	0.0	38.7	LM-GRY/BRN, f xln, dol, sl/vug
33	6363-64	0.04	4.5	0.0	26.7	LM-GRY/BRN, f xln, dol, sl/vug
34	6364-65	0.16	7.1	0.0	25.4	LM-GRY/BRN, f xln, dol, sl/vug
35	6365-66	0.23	4.0	0.0	25.0	LM-GRY/BRN, f xln, dol, sl/vug

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CORE ANALYSIS RESULTS

Company PATRICK PETROLEUM CORP. Formation Lower Ismay File RP-3-3068
 Well #1 Black Rock Core Type D.C. 4" Date Report 4-7-81
 Field Wildcat Drilling Fluid Gel Analysts Getz
 County San Juan State Utah Elev. 5361KB Location SW, SE Sec. 2-39S-21E

Lithological Abbreviations

SAND - SD DOLOMITE - DOL ANHYDRITE - ANHY SANDY - SDY FINE - FN CRYSTALLINE - XLN BROWN - BRN FRACTURED - FRAC SLIGHTLY - SL/
 SHALE - SH CHERT - CH CONGLOMERATE - CONG SHALY - SHY MEDIUM - MED GRAIN - GRN GRAY - GY LAMINATION - LAM VERY - V/
 LIME - LM GYPSUM - GYP FOSSILIFEROUS - FOSS LIMY - LMY COARSE - CSE GRANULAR - GRNL VUGGY - VGY STYLOLITIC - STY WITH - W/

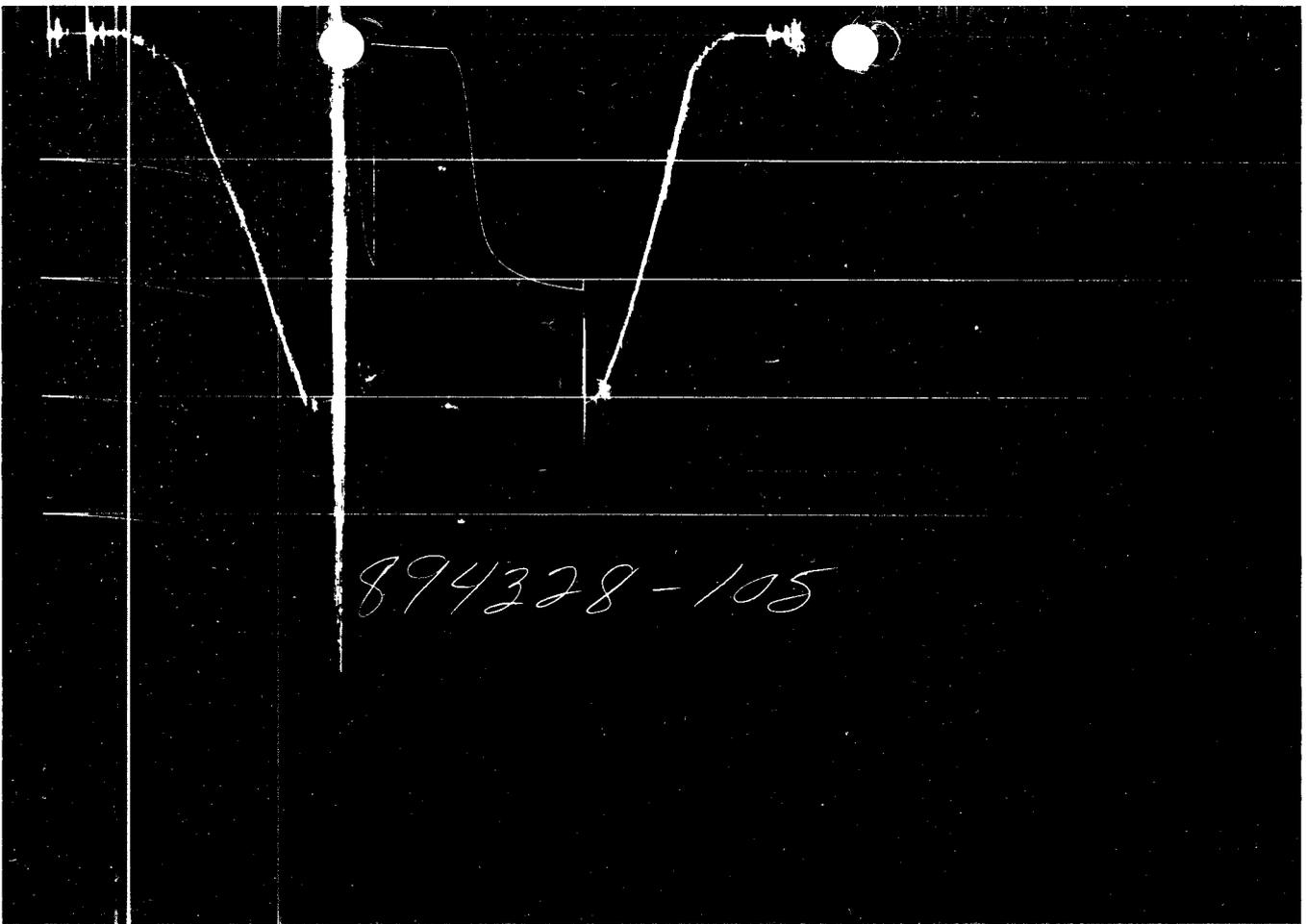
SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
36	6366-67	0.18	7.0	0.0	37.1	LM-GRY/BRN, f xln, dol, sl/vug
37	6367-68	0.18	5.1	0.0	47.1	LM-GRY/BRN, f xln, dol, sl/vug
38	6368-69	<0.01	5.1	0.0	7.8	LM-GRY/BRN, f xln, dol, sl/vug, VF
39	6369-70	<0.01	2.6	3.8	15.4	LM-GRY/BRN, f xln, dol, sl/vug, VF
40	6370-71	<0.01	2.3	4.3	8.7	LM-GRY, f xln, VF
41	6371-72	**	1.8	5.6	11.1	LM-GRY, f xln, VF
42	6372-73	**	1.7	0.0	11.8	LM-GRY, f xln
	6373-82	-	-	-	-	- CORE LOSS

** SAMPLE NOT SUITABLE FOR ANALYSIS

VF VERTICAL FRACTURE

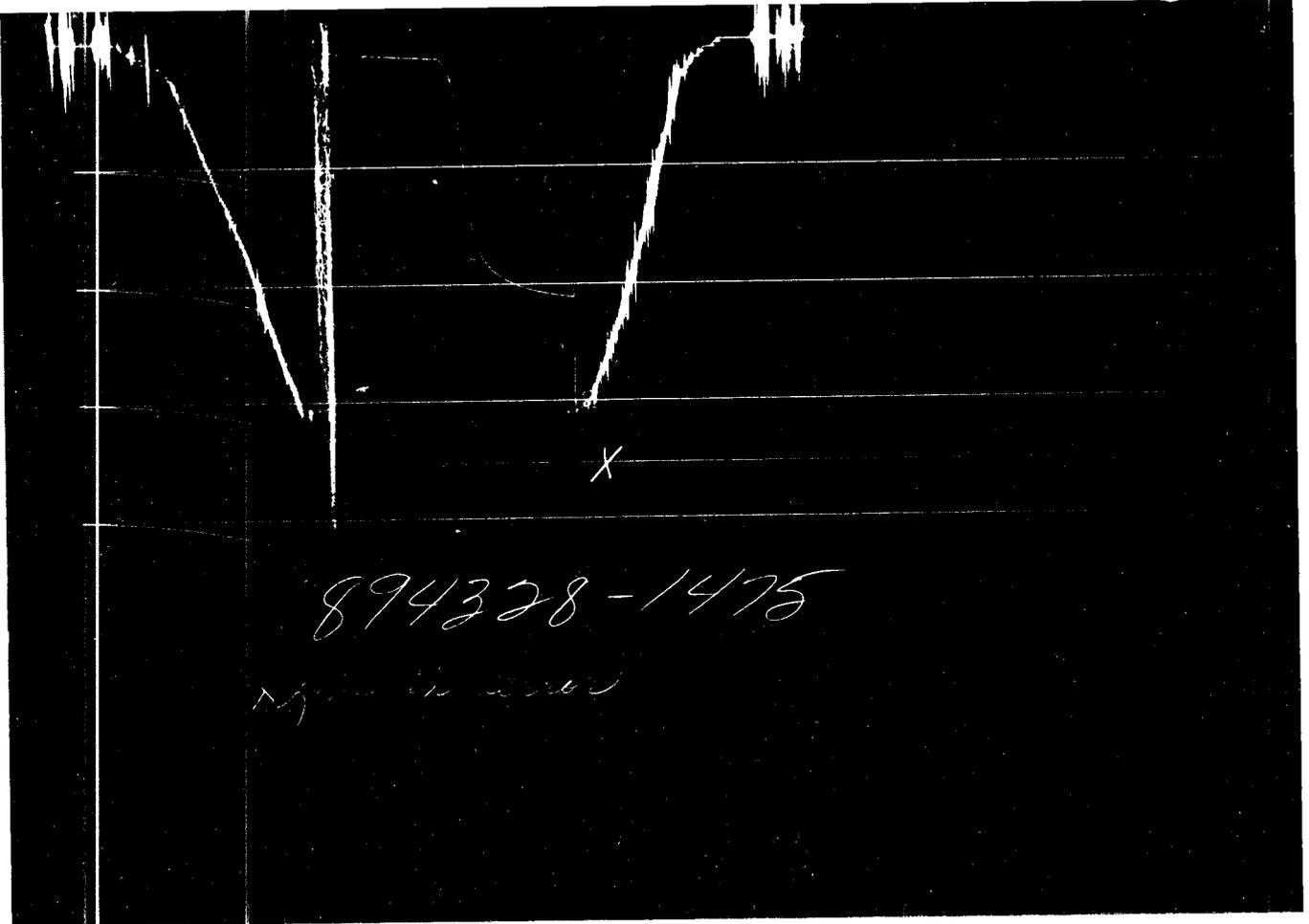
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↓ PRESSURE



894328-105

TIME →



894328-1475

[Faint illegible handwriting]

X

Each Horizontal Line Equal to 1000 p.s.i.

BLACK ROCK
 Lease Name
 Well No. 1
 Test No. 2
 6446 - 6566'
 PATRICK PETROLEUM CORPORATION
 Lease Owner/Company Name

Legal Location
 Sec. - Twp. - Rng.
 2 39S 21 E
 Field Area
 Mea. From Tester Valve
 WILDCAT
 County
 SAN JUAN
 State
 UTAH

FLUID SAMPLE DATA		Date	4-9-81	Ticket Number	835581
Sampler Pressure	10 P.S.I.G. at Surface	Kind of D.S.T.	OPEN HOLE	Halliburton Location	VERNAL
Recovery: Cu. Ft. Gas		Tester	K. STEWART	Witness	H. TINDALL
cc. Oil	trace	Drilling Contractor	N. CANNON		SM
cc. Water		EQUIPMENT & HOLE DATA			
cc. Mud	1850	Formation Tested	Desert Creek		
Tot. Liquid cc.	1850	Elevation	- Ft.		
Gravity	° API @ °F.	Net Productive Interval	6446-6566' Ft.		
Gas/Oil Ratio	cu. ft./bbl.	All Depths Measured From	Kelly bushing		
RESISTIVITY		Total Depth	6566' Ft.		
CHLORIDE CONTENT		Main Hole/Casing Size	7 7/8"		
Recovery Water	1.2 @ 100 °F. 525 ppm	Drill Collar Length	610' I.D. 2 1/4"		
Recovery Mud	@ °F. ppm	Drill Pipe Length	5799.85' I.D. 3.826"		
Recovery Mud Filtrate	1.4 @ 65 °F. 650 ppm	Packer Depth(s)	6436-6446' Ft.		
Mud Pit Sample	@ °F. ppm	Depth Tester Valve	6423' Ft.		
Mud Pit Sample Filtrate	@ °F. ppm				
Mud Weight	9.3 vis 49-17 sec.				

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion				.75"
Recovered	120 Feet of	slightly gas cut mud		
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Remarks	SEE PRODUCTION TEST DATA SHEET			

TEMPERATURE	Gauge No. 490	Gauge No. 198	Gauge No.	TIME			
	Depth: 6424.72 Ft.	Depth: 6563 Ft.	Depth: Ft.	(00:00-24:00 hrs.)			
Est. °F.	24 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened 0905			
Actual 120°F.	Blanked Off NO	Blanked Off YES	Blanked Off	Opened Bypass 1505			
	Pressures		Pressures		Reported	Computed	
	Field	Office	Field	Office	Minutes	Minutes	
Initial Hydrostatic	3178.0	3081.7	3178.0	3162.7			
First Period	Flow Initial	26.9	24.1	79.6	90.1		
	Flow Final	80.5	44.2	106.2	108.7	30	31
	Closed in	1831.0	1825.3	1899.5	1887.5	60	58
Second Period	Flow Initial	80.5	56.3	106.2	124.6		
	Flow Final	107.3	85.7	159.2	149.8	90	87
	Closed in	1831.0	1834.6	1899.5	1902.1	180	183
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic	3071.1	3081.7	3197.1	3162.7			

Casing perf. _____ Bottom choke .75" Surf. temp 65 °F Ticket No. 835581
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. 1.4 @ 65 °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0147						On location
0230						Made up test tools
0458						Started in hole
0900						Set packers
0905		BH	1/8" of water			Tool opened
0905						Small blow
0909						Closed valve at surface to change gauge
0910		BH	1/8" of water			Blow same
0915		BH	1/8" of water			Blow same
0920						Backside loosing small amount of mud
0925		BH	1/2" of water			Blow increased
0930		BH	1/2" of water			Blow increased
0935		"	1/2" of water			Closed tool
1035		"	1/4" of water			Tool opened
1040		"	1/4" of water			
1045		"	1/2" of water			
1050		"	"			
1100		"	"			
1110		"	"			
1120		"	"			
1130		"	"			
1140		"	"			
1150		"	"			
1200		"	"			

BH = bubble hose

Gauge No.		490		Depth		6424.72'		Clock No.		11654		24 hour		Ticket No.		835581	
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure					
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.		
0	.0000	24.1	.0000		44.2	.0000	56.3	.0000		85.7							
1	.0201*	28.1	.0139**		128.6	.0404***	60.3	.0715****		316.3							
2	.0369	30.8	.0347		555.8	.0909	67.0	.1328		815.1							
3	.0537	33.5	.0554		964.1	.1415	72.3	.1941		1151.1							
4	.0704	36.1	.0762		1218.8	.1920	76.4	.2553		1338.2							
5	.0872	41.5	.0970		1376.6	.2425	81.7	.3166		1462.8							
6	.1040	44.2	.1178		1502.6	.2930	85.7	.3779		1559.9							
7			.1386		1602.6			.4392		1641.3							
8			.1954		1685.3			.5005		1711.9							
9			.1802		1759.9			.5617		1777.3							
10			.2010		1825.3			.6230		1834.6							
11																	
12																	
13																	
14																	
15																	

Gauge No.		198		Depth		6563'		Clock No.		9989		24 hour	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	
0	.0000	90.1	.0000		108.7	.0000	124.6	.0000		149.8			
1	.0201*	95.4	.0134**		200.2	.0400***	125.9	.0702****		381.9			
2	.0369	96.8	.0336		618.1	.0900	131.3	.1304		868.7			
3	.0537	100.7	.0538		1034.2	.1400	136.6	.1906		1210.5			
4	.0704	102.1	.0740		1288.1	.1900	140.5	.2508		1402.6			
5	.0872	107.4	.0941		1455.2	.2400	145.8	.3110		1530.4			
6	.1040	108.7	.1143		1576.7	.2900	149.8	.3712		1625.6			
7			.1345		1675.9			.4314		1705.0			
8			.1546		1756.6			.4916		1777.7			
9			.1748		1825.4			.5518		1843.9			
10			.1950		1887.5			.6120		1902.1			
11													
12													
13													
14													
15													

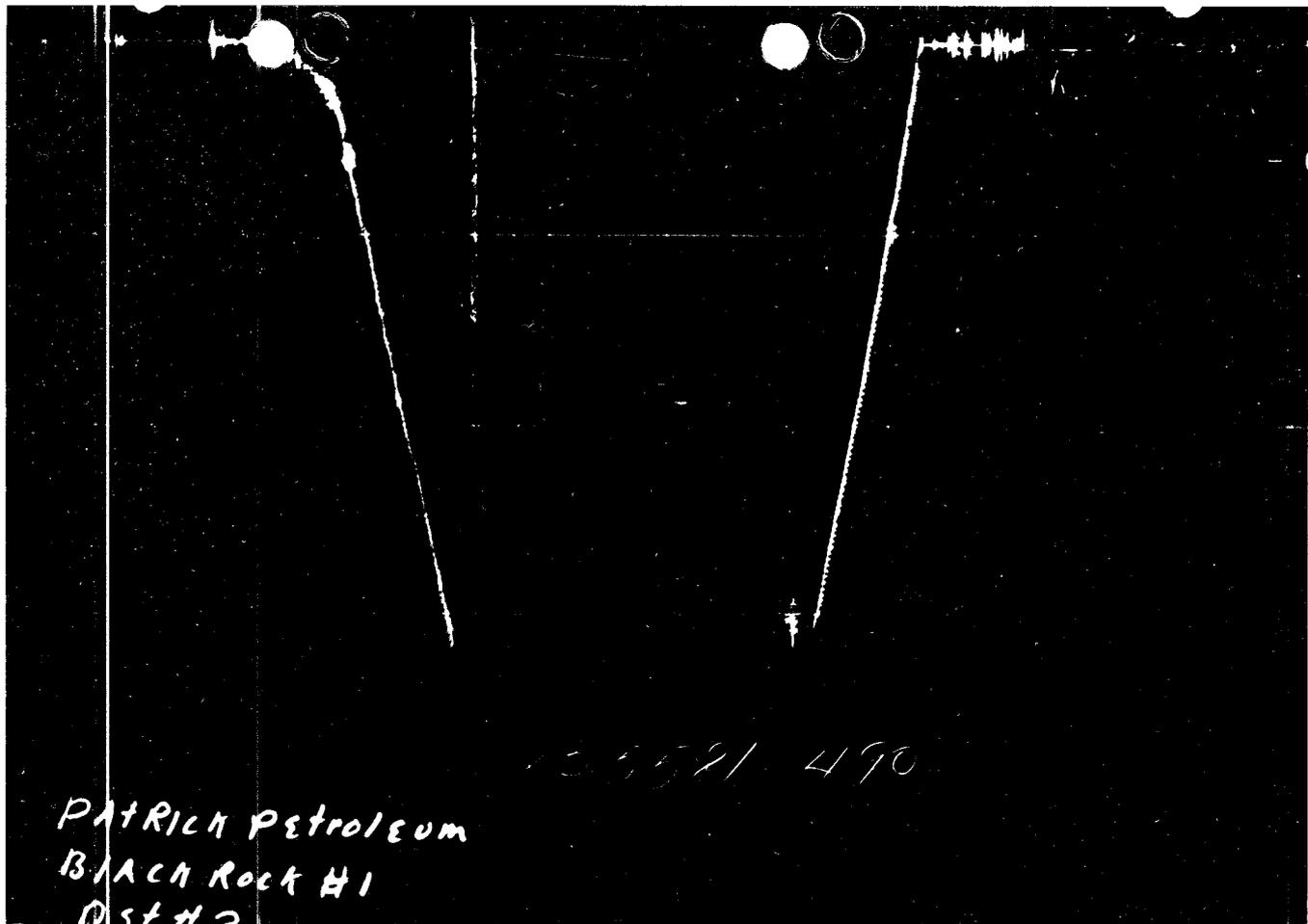
Reading Interval 5 6 15 18 Minutes

REMARKS: *First interval is equal to 6 minutes. ** = 4 minutes. *** = 12 minutes. **** = 21 minutes.

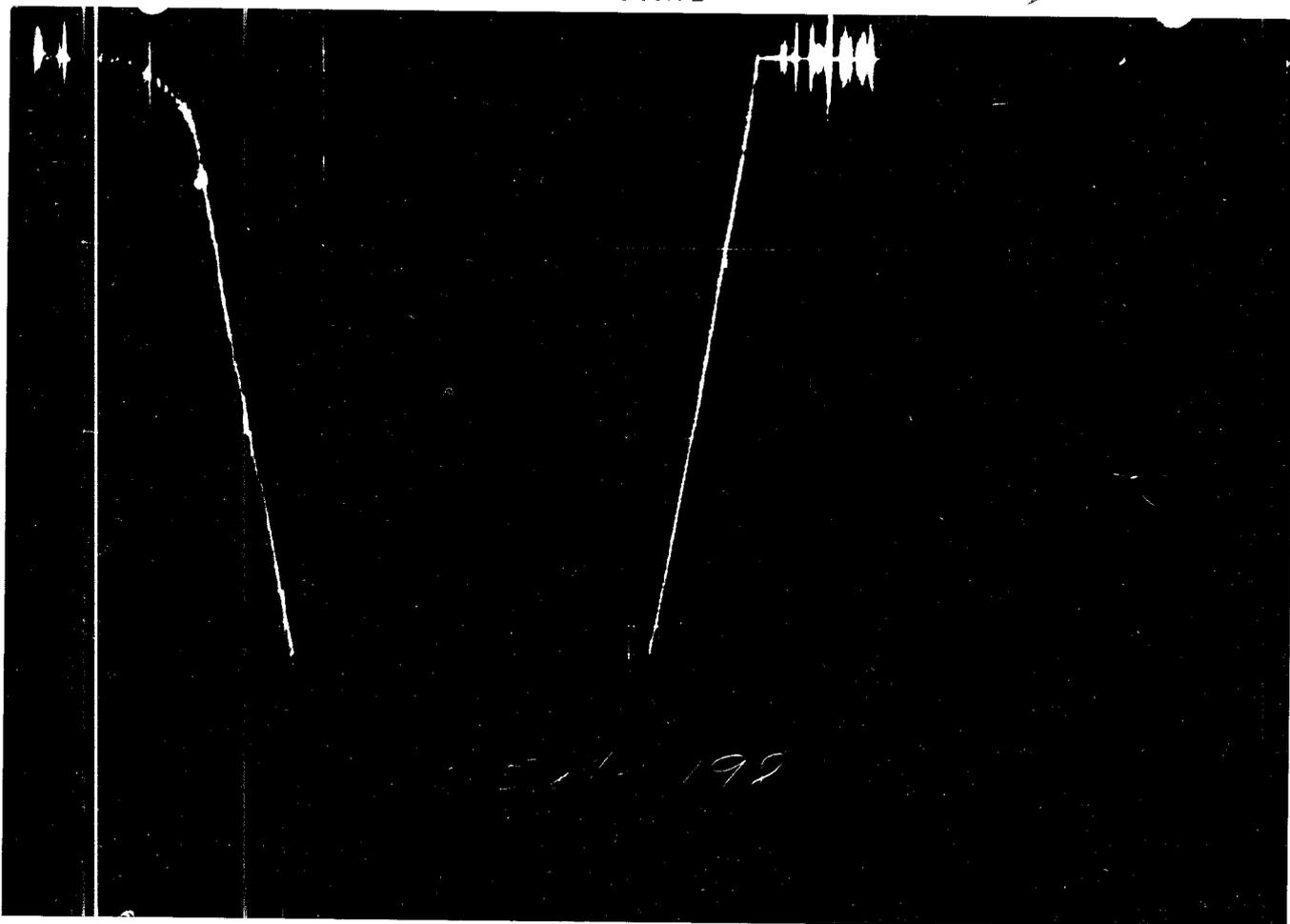
12

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4 1/2"	3.826"	5799.85'	
Drill Collars	6 1/4"	2 1/4"	520'	
Reversing Sub	7 1/2"	2 7/8"	1'	6320.85'
Water Cushion Valve				
Drill Pipe	6 1/4"	2 1/4"	90'	
Drill Collars				
Handling Sub & Choke Assembly				
Dual CIP Valve X over	5 11/16"	2 3/4"	1.12'	
Dual CIP Sampler	5"	.75"	6.75'	6417.72'
Hydro-Spring Tester	5"	.75"	5'	6423'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3.06"	4.12'	6424.72'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly	6 3/4"	1.68"	5.85'	6436'
Distributor				
Packer Assembly	6 3/4"	1.68"	5.85'	6446'
Flush Joint Anchor	6 1/2"	2"	45.75'	
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Water Anchor X over	5 11/16"	2 5/16"	.73'	
Drill Collars	6 1/4"	2 1/4"	62.23'	
X over	6"	2 11/16"	.81'	
Flush Joint Anchor	6 1/2"	2"	5'	
Blanked-Off B.T. Running Case	6 1/2"	2"	4.16'	6563'
Total Depth				6566'

← PRESSURE →



→ TIME →



Each Horizontal Line Equal to 1000 p.s.i.

FLUID SAMPLE DATA		Date 4-6-81	Ticket Number 894328
Sampler Pressure 17 P.S.I.G. at Surface	Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. 2250	Kind of D.S.T. OPEN HOLE TEST	Halliburton Location FARMINGTON
Gravity _____ ° API @ _____ °F.	Gas/Oil Ratio _____ cu. ft./bbl.	Tester LARRY GIBSON	Witness _____
EQUIPMENT & HOLE DATA			
RESISTIVITY _____ CHLORIDE CONTENT _____		Drilling Contractor COLORADO WELL SERVICE	TJH S
Recovery Water _____ @ _____ °F. _____ ppm	Recovery Mud 1.56 @ 76 °F. 2100 ppm	Formation Tested Lower Ismay	
Recovery Mud Filtrate .602 @ 71 °F. 5750 ppm	Mud Pit Sample 1.45 @ 84 °F. 1750 ppm	Elevation 5347¹ GL - 5364¹ KB Ft.	
Mud Pit Sample Filtrate .735 @ 69 °F. 5150 ppm	Mud Weight 9.3 vis 45 sec.	Net Productive Interval _____ Ft.	
		All Depths Measured From Kelly Bushing	
		Total Depth 6384¹ Ft.	
		Main Hole/Casing Size 7 7/8"	
		Drill Collar Length 555¹ I.D. 2 1/4"	
		Drill Pipe Length 5773.45¹ I.D. 3.826"	
		Packer Depth(s) 6324¹ - 6330¹ Ft.	
		Depth Tester Valve 6305¹ Ft.	

TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bubble Hose	Bottom Choke
Cushion					.75"
Recovered	270	Feet of mud.			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			
Recovered		Feet of			

Remarks **SEE PRODUCTION TEST DATA SHEET . . .**

TEMPERATURE	Gauge No. 105	Gauge No. 1475	Gauge No.	TIME (00:00-24:00 hrs.)		
	Depth: 6310 Ft.	Depth: 6380 Ft.	Depth: _____ Ft.			
Est. °F.	Blanked Off NO	Blanked Off YES	Blanked Off _____	Tool Opened 1130		
Actual 120 °F.	Pressures		Pressures	Opened Bypass 1630		
	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic	3076	3044.3	3112	3071.5		
First Period Flow	Initial	63	50.5	105	87.8	
	Final	84	69.4	126	96.2	15
	Closed in	1910	1911.5	1931	1924.2	30
Second Period Flow	Initial	84	77.8	126	115.0	
	Final	105	113.6	147	142.2	90
	Closed in	2106	2105.4	2120	2127.9	165
Third Period Flow	Initial					
	Final					
Final Hydrostatic	3076	3050.7	3112	3077.8		

Legal Location Sec. - Twp. - Rng. **2 - 39S - 21E**

Well No. **1-11**

Field Area **MILDCAT**

County **SAN JUAN**

State **UTAH**

Lease Name **BLACKROCK**

Tested Interval **6330' - 6384'**

Lease Owner/Company Name **PATRICK PETROLEUM CORPORATION**

Gauge No. 105			Depth 6310			Clock No. 13840			24 hour		Ticket No. 894328			
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.0000	50.5	.0000		69.4	.0000	77.8	.0000		113.6				
1	.0102	56.8	.0096		134.7	.0497	86.3	.0233*		153.6				
2	.0204	61.0	.0192		273.6	.0993	94.7	.0598		351.5				
3	.0306	63.1	.0288		536.8	.1490	101.0	.0964		987.3				
4	.0408	67.3	.0384		1035.7	.1986	103.1	.1329		1557.9				
5	.0510	69.4	.0480		1408.4	.2483	109.4	.1695		1774.7				
6			.0576		1616.8	.2980	113.6	.2060		1871.5				
7			.0672		1741.0			.2426		1930.5				
8			.0768		1812.6			.2791		1974.7				
9			.0864		1863.1			.3157		2008.4				
10			.0960		1911.5			.3522		2035.8				
11								.3888		2054.8				
12								.4253		2071.7				
13								.4619		2084.3				
14								.4984		2097.0				
15								.5350		2105.4				

Gauge No. 1475			Depth 6380			Clock No. 7276			24 hour		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	$\text{Log} \frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.
0	.0000	87.8	.0000		96.2	.0000	115.0	.0000		142.2	
1	.0100	87.8	.0098		127.6	.0498	117.1	.0232*		186.1	
2	.0200	89.9	.0196		221.7	.0997	123.4	.0596		368.2	
3	.0300	92.0	.0294		453.9	.1495	129.7	.0960		962.3	
4	.0400	96.2	.0392		941.4	.1993	131.8	.1324		1564.2	
5	.0500	96.2	.0490		1383.1	.2492	138.0	.1688		1787.3	
6			.0588		1585.2	.2990	142.2	.2052		1890.5	
7			.0686		1743.1			.2416		1953.7	
8			.0784		1818.9			.2780		1997.9	
9			.0882		1882.1			.3145		2029.3	
10			.0980		1924.2			.3509		2056.6	
11								.3873		2077.5	
12								.4237		2094.3	
13								.4601		2106.9	
14								.4965		2117.4	
15								.5330		2127.9	
Reading Interval	3		3		15		11				Minutes

REMARKS: * - first interval is equal to 7 minutes.

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4 1/2"	3.826"	5773.45'	
Drill Collars	5"	3 1/2"	2.5'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe				
Drill Collars	6 1/4"	2 1/4"	555'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	3 1/2"	1' X OVER	
Dual CIP Sampler	5"	.75"	7'	6298'
Hydro-Spring Tester	5"	.75"	5'	6305'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	4'	6310'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	6 3/4"	1.53"	6'	6324'
Distributor				
Packer Assembly	6 3/4"	1.53"	6'	6330'
	5"	3 1/2"	1' X OVER	
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	6 1/4"	2 1/4"	33'	
	5"	3 1/2"	1' X OVER	
Flush Joint Anchor	5 3/4"	3 1/2"	10'	
Blanked-Off B.T. Running Case	5 3/4"	2 1/2"	4.5'	6380'
Total Depth				6384'

P 14



SCOTT M. MATHESON
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

CHARLES R. HENDERSON
Chairman

CLEON B. FEIGHT
Director

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

May 4, 1981

Memo to well file

Re: Patrick Petroleum Corporation
Black Rock Unit #1
Sec. 2, T. 39S, R. 21E
San Juan County, Utah

At the request of the Director, Cleon B. Feight, Wayne Hedberg and Mary Ann Wright of the Division checked on this well site on 1-6-80. The site had been leveled and two cats were parked at the site. It was estimated that a little over an acre of this state section had been cleared of pinyon-juniper type vegetation and a pad leveled.

Mary Ann Wright
Reclamation Biologist

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

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 _____

2. NAME OF OPERATOR
Patrick Petroleum Corp., LeClair-Westwood, Inc. - Agent

3. ADDRESS OF OPERATOR
388 Denver Club Bldg., Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface SW SE Sec. 2
 At top prod. interval reported below 550' FSL and 2140' FEL
 At total depth _____

14. PERMIT NO. 43-637-30630 DATE ISSUED 1-2-81

15. DATE SPUDDED 3/8/81 16. DATE T.D. REACHED 4/9/81 17. DATE COMPL. (Ready to prod.) Dry Hole 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5347' GR 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 6566' 21. PLUG, BACK T.D., MD & TVD _____ 22. IF MULTIPLE COMPL., HOW MANY* none 23. INTERVALS DRILLED BY _____ ROTARY TOOLS 0-6466' CABLE TOOLS none

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dry Hole 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, Sonic GR and CNL-FDC 27. WAS WELL CORED yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	61#	352' KB	17-1/2	500 sx	none

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
none					none		

31. PERFORATION RECORD (Interval, size and number) none 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
none	

33.* PRODUCTION

DATE FIRST PRODUCTION none PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) OIL, GAS & MINING 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.) Dry Hole TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
Geologic Report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Lisa L. Green TITLE Para-Engineer DATE 5/27/81

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

PATRICK PETROLEUM CORPORATION

NO. 1 BLACK ROCK
WILDCAT
SAN JUAN COUNTY, UTAH

RECEIVED

JUN 8 1967

DIVISION OF
OIL, GAS & MINING

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 1

PATRICK PETROLEUM CORPORATION
 NO. 1 BLACK ROCK
 WILDCAT
 SAN JUAN COUNTY, UTAH

DATE : 4-7-81
 FORMATION : LOWER ISMAY
 DRLG. FLUID: GEL
 LOCATION : SW SE SEC 2-39S-21E

FILE NO : RP-3-3068
 ANALYSTS : GETZ
 ELEVATION: 5361 KB

CONVENTIONAL CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION
	6330.0-31.0					SAMPLE TAKEN AT WELL
1	6331.0-32.0	<0.01	0.7	0.0	57.1	LM-GRY,F XLN
2	6332.0-33.0	<0.01	1.3	0.0	46.2	LM-GRY,F XLN
3	6333.0-34.0	0.02	5.1	2.0	60.8	LM-GRY,F XLN
4	6334.0-35.0	<0.01	2.9	3.4	48.3	LM-GRY,F XLN,STY
5	6335.0-36.0	<0.01	2.2	3.4	48.3	LM-GRY,F XLN
6	6336.0-37.0	<0.01	1.5	0.0	53.3	LM-GRY,F XLN
7	6337.0-38.0	<0.01	1.1	9.1	36.4	LM-GRY,F XLN
8	6338.0-39.0	<0.01	0.5	0.0	80.0	LM-GRY,F XLN
9	6339.0-40.0	<0.01	2.6	3.8	38.5	LM-GRY,F XLN,STY
10	6340.0-41.0	0.01	1.0	10.0	40.0	LM-GRY,F XLN, VF
11	6341.0-42.0	<0.01	3.7	5.4	40.5	LM-GRY/BRN,F XLN,DOL,SL/VUG
12	6342.0-43.0	0.03	3.6	5.5	33.3	LM-GRY/BRN,F XLN,DOL,SL/VUG,STY
13	6343.0-44.0	0.04	5.2	1.9	44.2	LM-GRY/BRN,F XLN,DOL,SL/VUG
14	6344.0-45.0	0.05	4.4	2.3	43.2	LM-GRY/BRN,F XLN,DOL,SL/VUG
15	6345.0-46.0	0.06	3.3	0.0	30.3	LM-GRY/BRN,F XLN,DOL,SL/VUG
16	6346.0-47.0	0.03	1.5	0.0	40.0	LM-GRY/BRN,F XLN,DOL,SL/VUG
17	6347.0-48.0	1.00	2.8	0.0	14.3	LM-GRY/BRN,F XLN,DOL,SL/VUG
18	6348.0-49.0	0.07	1.8	0.0	22.2	LM-GRY/BRN,F XLN,DOL,SL/VUG
19	6349.0-50.0	2.50	4.9	0.0	40.8	LM-GRY/BRN,F XLN,DOL,SL/VUG
20	6350.0-51.0	0.01	1.9	5.3	31.6	LM-GRY/BRN,F XLN,DOL,SL/VUG
21	6351.0-52.0	0.31	5.2	3.8	23.1	LM-GRY/BRN,F XLN,DOL,SL/VUG
22	6352.0-53.0	0.24	3.2	0.0	6.3	LM-GRY/BRN,F XLN,DOL,SL/VUG
23	6353.0-54.0	0.05	3.4	0.0	17.6	LM-GRY/BRN,F XLN,DOL,SL/VUG
24	6354.0-55.0	0.07	3.6	0.0	5.5	LM-GRY/BRN,F XLN,DOL,SL/VUG
25	6355.0-56.0	0.08	4.8	2.1	29.2	LM-GRY/BRN,F XLN,DOL,SL/VUG
26	6356.0-57.0	0.57	5.6	0.0	58.9	LM-GRY/BRN,F XLN,DOL,SL/VUG
27	6357.0-58.0	0.33	6.3	1.6	46.0	LM-GRY/BRN,F XLN,DOL,SL/VUG

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PATRICK PETROLEUM CORPORATION
 NO. 1 BLACK ROCK

DATE : 4-7-81
 FORMATION : LOWER ISMAY

FILE NO : RP-3-3068
 ANALYSTS : GETZ

CONVENTIONAL CORE ANALYSIS

SAMPLE NUMBER	DEPTH	PERM K _a MAXIMUM	POR. FLD	FLUID OIL	SATS. WTR	DESCRIPTION	
28	6358.0-59.0	0.06	5.0	0.0	28.0	LM-GRY/BRN,F XLN,DOL,SL/VUG	
29	6359.0-60.0	0.18	3.9	0.0	30.8	LM-GRY/BRN,F XLN,DOL,SL/VUG	
30	6360.0-61.0	1.70	3.6	0.0	38.9	LM-GRY/BRN,F XLN,DOL,SL/VUG	
31	6361.0-62.0	0.05	2.8	3.6	35.7	LM-GRY/BRN,F XLN,DOL,SL/VUG	
32	6362.0-63.0	0.03	3.1	0.0	38.7	LM-GRY/BRN,F XLN,DOL,SL/VUG	
33	6363.0-64.0	0.04	4.5	0.0	26.7	LM-GRY/BRN,F XLN,DOL,SL/VUG	
34	6364.0-65.0	0.16	7.1	0.0	25.4	LM-GRY/BRN,F XLN,DOL,SL/VUG	
35	6365.0-66.0	0.23	4.0	0.0	25.0	LM-GRY/BRN,F XLN,DOL,SL/VUG	
36	6366.0-67.0	0.18	7.0	0.0	37.1	LM-GRY/BRN,F XLN,DOL,SL/VUG	
37	6367.0-68.0	0.18	5.1	0.0	47.1	LM-GRY/BRN,F XLN,DOL,SL/VUG	
38	6368.0-69.0	<0.01	5.1	0.0	7.8	LM-GRY/BRN,F XLN,DOL,SL/VUG	VF
39	6369.0-70.0	<0.01	2.6	3.8	15.4	LM-GRY/BRN,F XLN,DOL,SL/VUG	VF
40	6370.0-71.0	<0.01	2.3	4.3	8.7	LM-GRY,F XLN	VF
41	6371.0-72.0	**	1.8	5.6	11.1	LM-GRY,F XLN	VF
42	6372.0-73.0	**	1.7	0.0	11.8	LM-GRY,F XLN	
	6373.0-82.0					CORE LOSS	

** = SAMPLE NOT SUITABLE FOR ANALYSIS

VF = VERTICAL FRACTURE

6330.0-6373.0 Feet - Non-productive due to low permeability and porosity.



CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

COMPANY PATRICK PETROLEUM CORPORATION FILE NO. RP-3-3068
 WELL NO. 1 BLACK ROCK DATE 4-7-81
 FIELD WILDCAT FORMATION LOWER ISMAY ELEV. 5361 KB
 COUNTY SAN JUAN STATE UTAH DRLG. FLD. GEL CORES _____
 LOCATION SW SE SEC 2-39S-21E

CORRELATION COREGRAPH

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VERTICAL SCALE: 5" = 100'

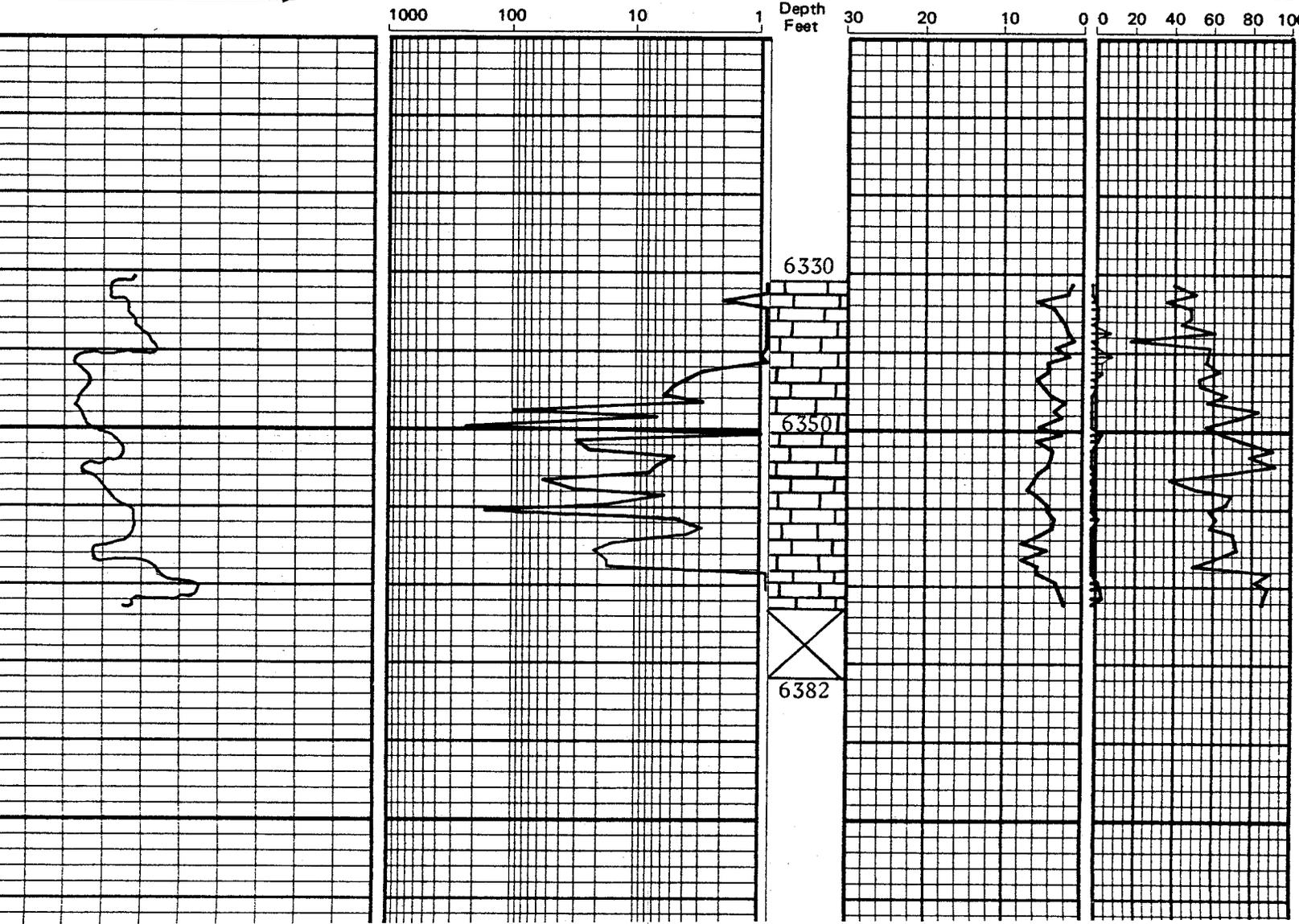
Total Water _____
 PERCENT PORE SPACE
 100 80 60 40 20 0

Gamma Ray
 RADIATION INCREASE →

Permeability x 0.01
 MILLIDARCIES

Porosity _____
 PERCENT

Oil Saturation _____
 PERCENT PORE SPACE



B. J. Hughes, Inc.

Black Rock
Cementing Service Report #1

Farmington, New Mexico

Date 04-11-81

Company Patrick Petroleum

Well No. 1

Formation Wildcat

County SAN JUAN

State Utah

BJ Service Foreman Chuck McCaha

Company Representative _____

REMARKS: 4 1/2" Plug & Abandon

1st) 6485' - 6385' 2nd) 6270' - 6170'

3rd) 2430' - 2330'

4th 360' - surface

Trucks Used 1415-P 5382-B

WELL DATA

Hole Size: 7 1/2" Depth: 6566'
 Casing Size: 4 1/2" Wt. 16.6 Depth 6485'
 Dlg. Fluid Type mud Wt. _____
 Stage Collars: _____
 Contractor: CRC P.O. well #60

CEMENT DATA

NO. SACKS	YIELD Cu. Ft./Sx.	CEMENT MIX	VOLUME BBLs.	WT.
110	1.171	Class B	23	156

Volume of Displacement 214 Bbl.
 Cement Circulated _____ Bbls.
 Circulation During Job? _____

TIME RATE BPM VOLUME BBL PRESSURE TUBING CASING

Job Detail

TIME	RATE BPM	VOLUME BBL	PRESSURE		Job Detail
			TUBING	CASING	
4:18	3	10	100		START H2O Ahead 1st Plug
4:23	3	5	100		START CEMENT " "
4:25	3		110		START DISP " "
4:55	3	90	100		FIN. " "
6:10	3	10	100		START H2O Ahead 2nd Plug
6:15	3	5	100		START CEMENT " "
6:17	3		100		START DISP " "
6:45	3	86	100		FIN DISP " "
9:23	3	8	100		START H2O Ahead 3rd Plug
9:26	3	5	100		START CEMENT " "
9:28	3		100		START DISP " "
9:43	3	33	100		FIN. " "
11:33	3	5			START H2O Ahead 4th Plug
11:35	3	8			START CEMENT " "
11:38	3				START DISP " "
11:40	3	5			FIN. " "

Job Complete

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

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.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Patrick Petroleum Corp.; LeClair-Westwood, Inc. - Agent</p> <p>3. ADDRESS OF OPERATOR 388 Denver Club Bldg., Denver, CO 80202</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW SE Sec. 2, T39S - R21E 550' FSL and 2140' FEL</p> <p>14. PERMIT NO. -----</p>		<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME Black Rock</p> <p>9. WELL NO. #1-11</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2, T39S - R21E</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5347' GR</p>		

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"/>	PULL 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(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.)*

The well was plugged on 4/11/81 as follows:

- 25 sx 6485' - 6385'
- 25 sx 6270' - 6170'
- 25 sx 2430' - 2330'
- 25 sx 360' - 300'
- 10 sx At surface.

See Cementing Invoice attached.

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

SIGNED *Lisa S. Green* TITLE Para-Engineer DATE 5/27/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

cc: Patrick Petroleum Corporation

*See Instructions on Reverse Side