

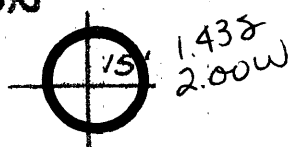
Latitude 39° 25' N.

1650' SOUTH
10650' WEST

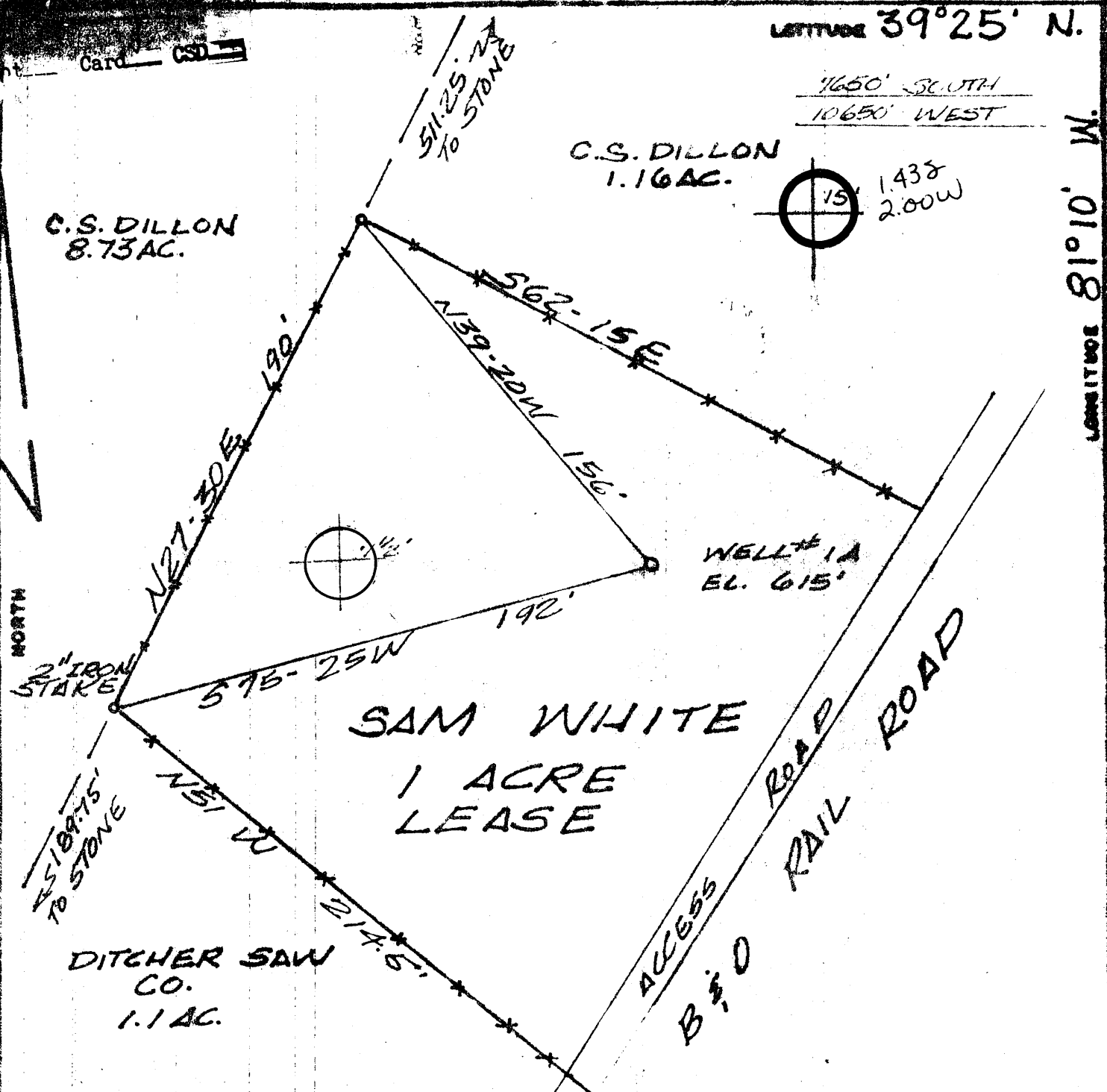
C.S. DILLON
1.16 AC.

C.S. DILLON
8.73 AC.

511.25' N.A.
TO STONE



Latitude 81° 10' W.



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 50'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION BM: R/R BBS
EL. 620'

THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) William R. Morgan
R.P.E. _____ L.L.S. EEI

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
FORM IV-S
(8-78)



DATE 13 JUNE 1980
OPERATOR'S WELL NO. 1A
API WELL NO. 47-073-0883
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS", PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 615' WATER SHED OHIO RIVER
DISTRICT WASHINGTON COUNTY PLEASANT
QUADRANGLE RAVEN ROCK 7 1/2' QUAD. ST. MARY'S 15' WC
SURFACE OWNER SAM WHITE ACRES 1
OIL & GAS ROYALTY OWNER SAM WHITE LEASE ACRES 1
LEASE NO. _____
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUS OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION GORDON ESTIMATED DEPTH 3300'
WELL OPERATOR LAUDERMAN O & G DESIGNATED AGENT PHILLIP MORGAN
ADDRESS P.O. BOX 266 ADDRESS 311 S. 4TH AVE.
PADEN CITY, WVA. 26159 PADEN CITY, WVA. 26159

AUG 1 1980

DRILLER'S RECORD

Previously Requested, but NOT
AVAILABLE

DATE: _____

<u>073</u> COUNTY	<u>883</u> PERMIT
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[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. No 1-A
API Well No. 47-073
State County 883

WELL TYPE: Oil X / Gas X
(If "Gas", Production / Underground storage / Deep X / Shallow)

LOCATION: Elevation: 615 Watershed: Middle Island Creek
District: St. Marys Corp County: Menons Quadrangle: RAVEN ROCK

WELL OPERATOR Lauderman Oil Gas
Address 311 S 4th Ave. Padon City
West Virginia 26159

DESIGNATED AGENT Phillip Morgan
Address: Same

OIL & GAS ROYALTY OWNER Sam White
Address St Marys, WVA 26170

COAL OPERATOR N/A
Address:

ACREAGE 1.60
SURFACE OWNER Same
Address

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name N/A
Address

FIELD SALE (IF MADE) TO:
Name N/A
Address

COAL LESSEE WITH DECLARATION ON RECORD:
Name N/A
Address

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Phillip Tracy
Address Rt 23, Alma, WVA 26320
P.H. 958-4573

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease X / other contract / dated May 9, 1980, to undersigned well operator from Eugene Carr - assigned to Lauderman [If said deed, lease, or other contract has been recorded:] To be Recorded, Pleas. Cou
Recorded on , 19 , in the office of the Clerk of the County Commission of County, West Virginia, in Book at page . A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper / Redrill / Fracture or stimulate /
Plug off old formation / Perforate new formation /
Other physical change in well (specify)

--planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code § 22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines, Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1005 WASHINGTON STREET EAST
CHARLESTON, WV 25311

JUN 28 1980

OIL & GAS DIVISION
DEPT. OF MINES

Lauderman Oil Gas Well Operator
By Phillip Morgan
Its Agent

BLANK

PROPOSED WORE ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-2 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Lauderman Oil & Gas Drilling
Address 311 South Ave, Paducah City
West Virginia

GEOLOGICAL TARGET FORMATION, Ohio Shale

Estimated depth of completed well, 4000 feet Rotary / Cable tools X
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: Is coal being mined in the area? Yes / No

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKS
	Size	Grade	Weight per ft.	New	Used	For drilling		
Conductor	10"		38	X		90 to 100 ft	Drive Pipe	Kinds
Fresh water								
Coal	8 5/8"		24	X		1200 ft.		Slugs
Intermediate	7"		20	X		2000'		
Production Tubing	4 1/2"		16.5	X		T.D. of well & Cement set		Deaths set
liners						Break to above the possible production		Top Harvesters
								Total

NOTE - Regulations 7.02 of the Department of Mines provides that the original and four copies of Form 7.02 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 22, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-5a from the owner of any water well or drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well. **THIS PERMIT MUST BE POSTED AT THE WELL SITE** if fracturing or stimulating is to be part of the work for which a permit is sought and is noted on Form IV-2 in connection therewith.

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 3-2-81

[Signature]
Deputy Director - Oil & Gas Division

The following waiver must be completed by the coal operator and by any owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location; provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.