ORE ----
MIN. ----
BARREN ✓

---- FAV.
✓ UNFAV.

U.S.A.E.C.

1/2

HOLE NO. TR-755

PROJECT Carlile Project 1a. Thorn Ridge

LOCALITY Carlile, Wyo CLAIM Shannon Oil

COLLAR ELEV. 4364.4 DEPTH 278'

COORDINATES

DATE COMPLETED 1-5-55

LOGGED BY LMB DATE 1-7-55

103.9/128 RECOVERY 81.2 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH

ORE ____
MIN. ✓
BARREN ____

✓ FAV.
____ UNFAV.

U.S.A.E.C.

1/2

HOLE NO. 756

PROJECT Carlile Project 12 (Thorn Ridge)

LOCALITY Carlile Wyo. CLAIM Shannon #1

COLLAR ELEV. 7372.9 DEPTH 265

COORDINATES _____ → _____

DATE COMPLETED 11/11/55

LOGGED BY [illegible] DATE 11/13/55

94.7 / 115

RECOVERY 82.3 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH

ORE ✓
MIN. ____
BARREN ____

✓ FAV.
____ UNFAV.

U.S.A.E.C.

1/2

HOLE NO. TR-900

PROJECT Carlile Project 1-a, Thorn Ridge

LOCALITY Carlile, Wyo CLAIM Shannon Oil

COLLAR ELEV. 4377.4 DEPTH 268'

COORDINATES _____ _____

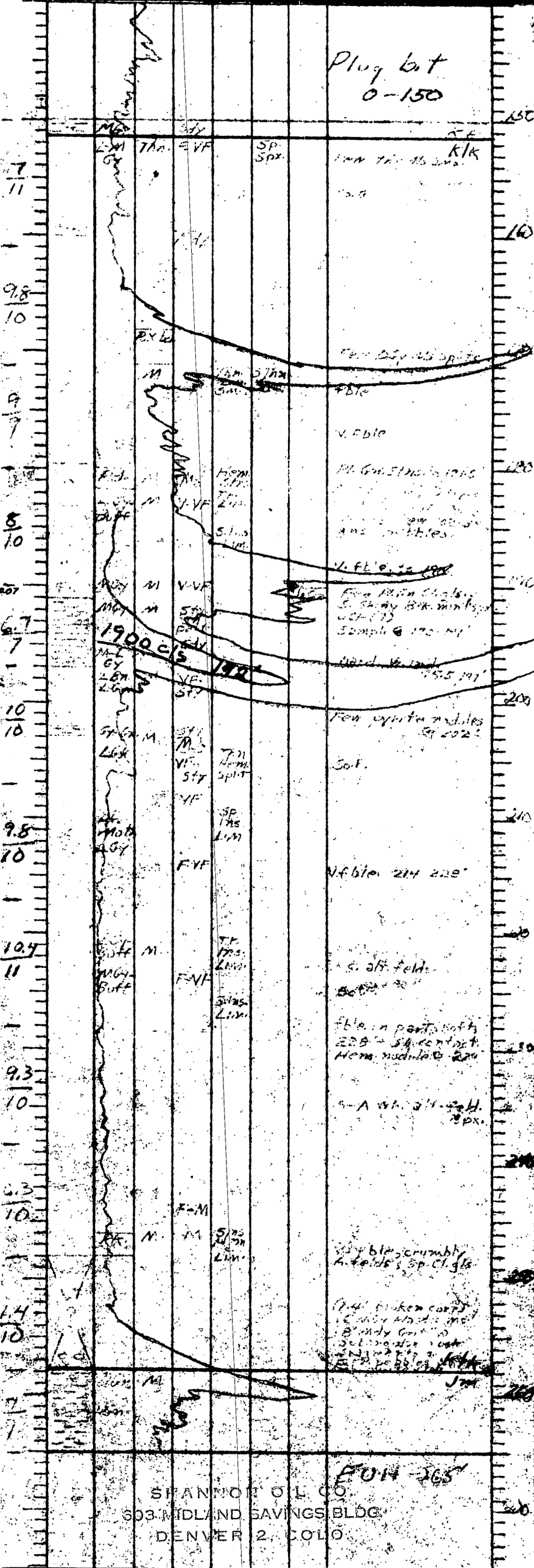
DATE COMPLETED 1-26-55

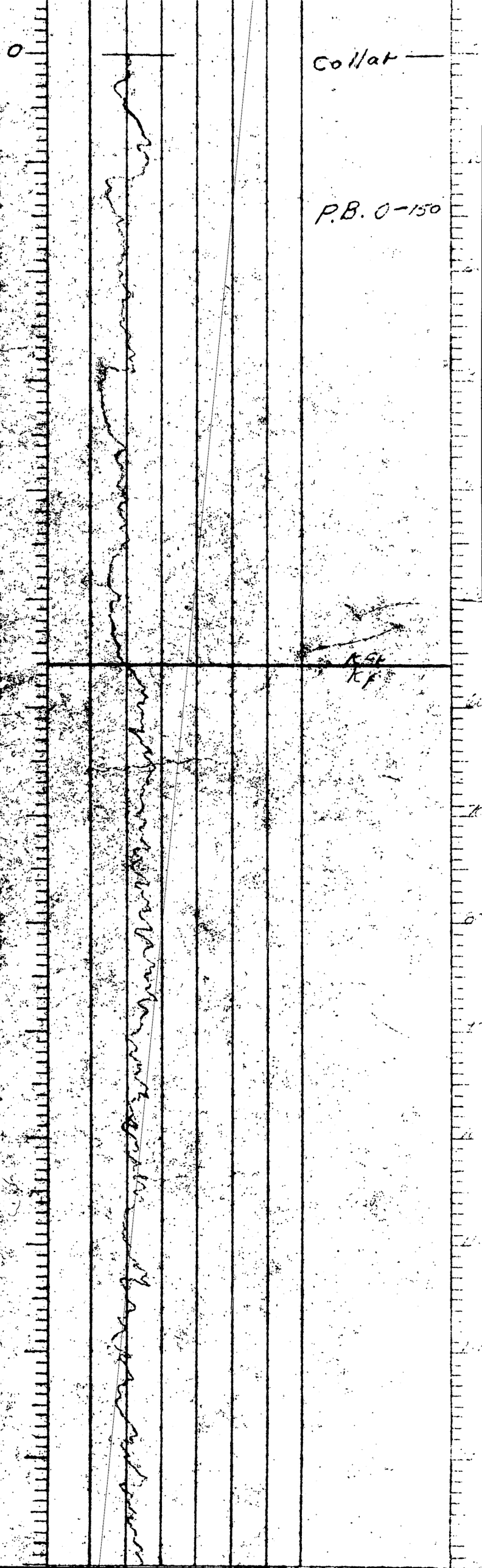
LOGGED BY LMB DATE 2/1/55

888/118

RECOVERY 75.3 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								P. B. 0-150	


Plug bit
0-150
K/K
1900 c/s
SHANNON O.L.CO.
503 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.


0
Collar
P.B. 0-150

Collar

P.B. 0-23

started Coring

A $CaCO_3$ cement from 5'9"-6'1½" well indurated contact sharp

A CO_3 cement

A CO_3 cement

$CaCO_3$ Sandstone

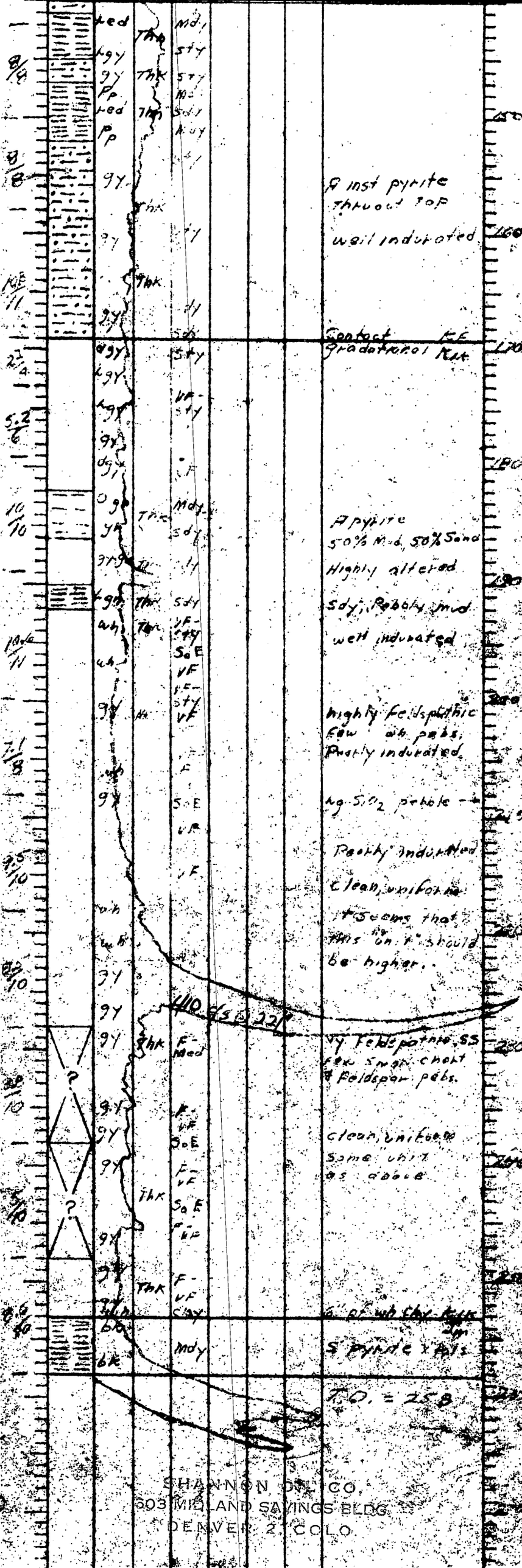
Thin 55 ft NS

Grans in Planes

well indurated

Depth	Color	Texture	Hardness	Other
9				
6/6	Tan	Thin	vF	Mdy
	Rd	Thk	vF	A Hem
9/9	Tan	Tan		A
		Thk	vF	
9.8/10	Tan			
		Thk		
	Tan		vF	
	Tan	Thk		
12/12	9Y	Tan	Mdy	
	9Y		Sty	
	9Y		Sty	
9.8/10	9Y	Tan	Mdy	
	9Y		Sty	
	9Y	Thk	Mdy	
9.5/8	9Y	Thk	Mdy	
	9Y			
10/10	dk (dull)	Thk	Mdy	Tr
	Pp	Thk		Tr
	dgy			
	bk (dull)			
9.5/10		Thin	Mdy	Tr
	dgy			
	bk (dull)			
9.5/9	Rd	Thn	vF	
	9Y	Thk	Sty	
			Mdy	
		Thk		
9/9	9Y		Sdy	
			Sty	Sp
		Thk	Mdy	A
			in Place	Thru out
9/10	9Y			
	bk	Thk	vF	Sp
			Sty	A
	dgy		Sty	A
12/16			Mdy	Sp
	lgy		Sty	
	lgy		Sty	Tr

140



SHANNON OIL CO.
503 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE ____ ____ FAV.
MIN. ____ ← UNFAV.
BARREN ✓

U.S.A.E.C.

1/2

HOLE NO. TR-754

PROJECT Carlile Project 1a, Thorn Ridge

LOCALITY Carlile, Wyo CLAIM Shannon Cl

COLLAR ELEV. 4390.0 DEPTH 275

COORDINATES _____ _____

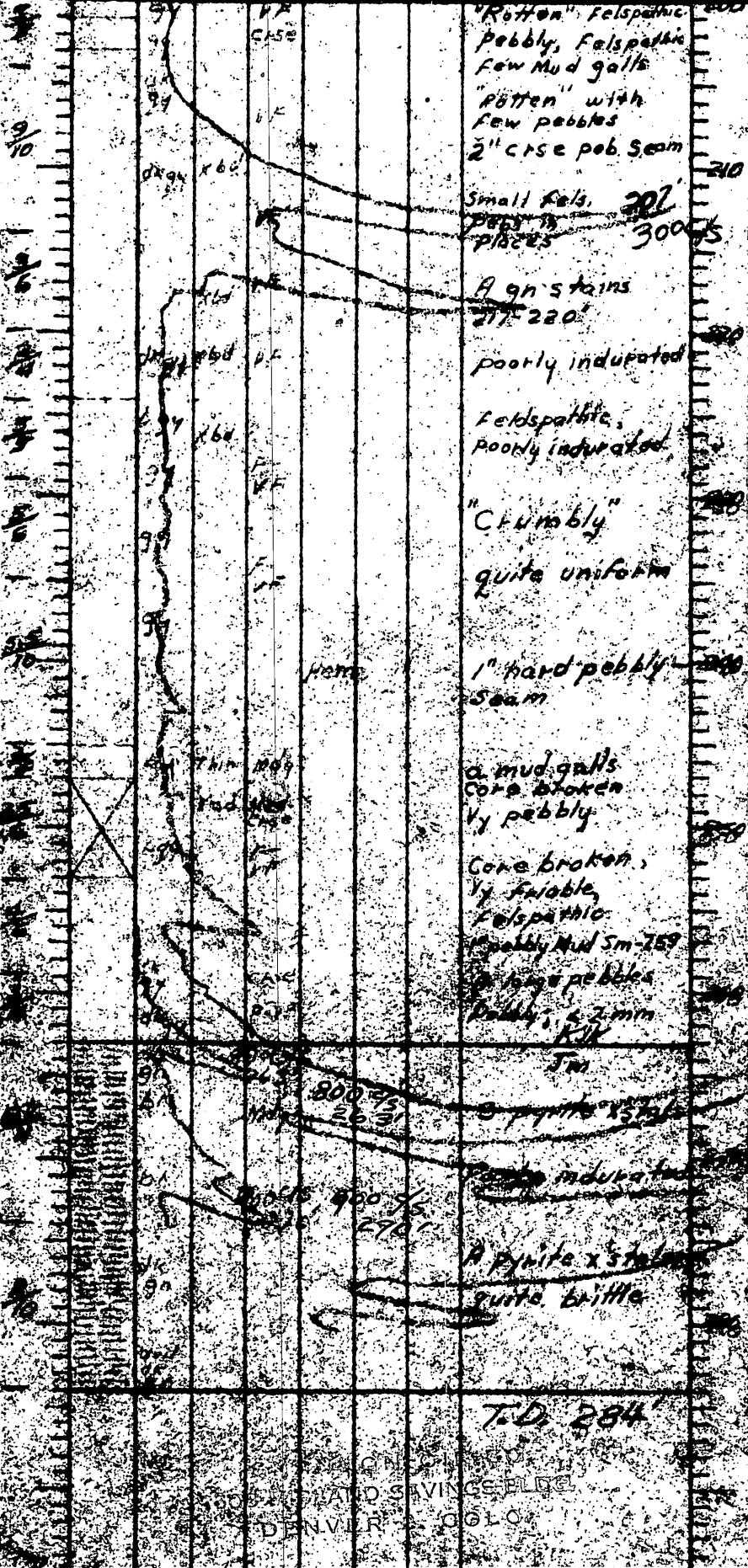
DATE COMPLETED 12-30-54

LOGGED BY LMB DATE 1-5-55

RECOVERY 81.9 %

102.4 / 125

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH



CHICAGO BOARD OF TRADE BLDG.
DENVER 2, COLO.

ORE ____
MIN. ____
BARREN ✓

____ FAV.
✓ UNFAV.

U.S.A.E.C. 1/2

HOLE NO. TR-733

PROJECT Carlile Project 19, Thorn Ridge

LOCALITY Carlile, Wyo. CLAIM Shannon Oil

COLLAR ELEV. 4374.1 DEPTH 272

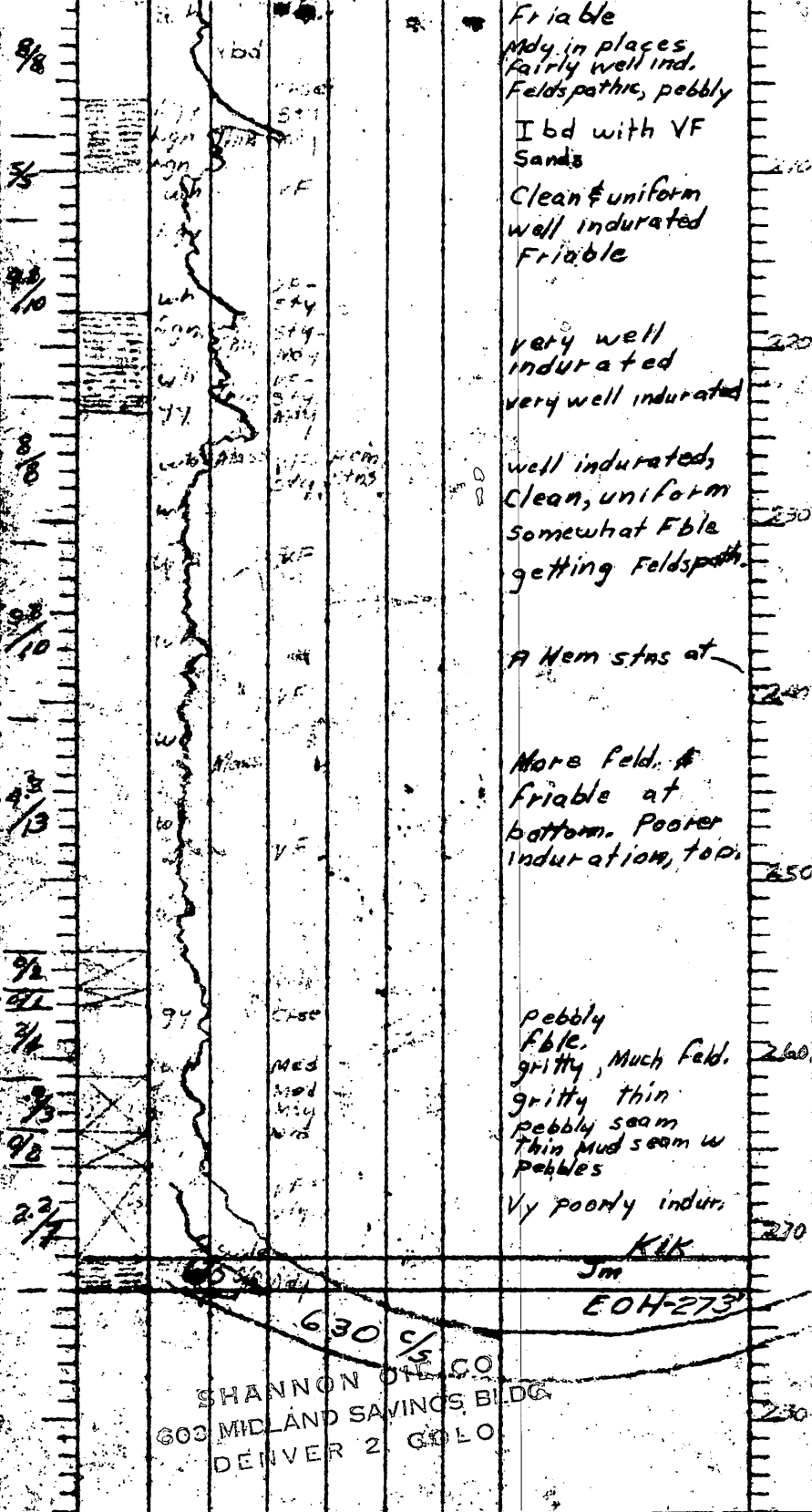
COORDINATES _____ _____

DATE COMPLETED 1-3-55

LOGGED BY _____ DATE _____

97.9/122 RECOVERY 80.2%

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH


Friable
Mdy in places, fairly well ind. Feldspathic, pebbly
I bd with VF Sands
Clean & uniform well indurated Friable
very well indurated
very well indurated
well indurated, Clean, uniform somewhat Fble getting Feldspath.
A Hem stns at
More feld. & friable at bottom. Poorer induration, top.
pebbly Fble, gritty, Much feld.
gritty thin pebbly seam
thin Mud seam w pebbles
Vy poorly indur.
KIK
Jm
EOH-273'
630 c/s
SHANNON OIL CO
603 MIDLAND SAVINGS BLDG
DENVER 2 COLO

ORE ____
MIN. ____
BARREN ✓

____ FAV.
✓ UNFAV.

U.S.A.E.C.

1/2

HOLE NO. TR 752

PROJECT Carlile Project 1a, Thun Ridge

LOCALITY Carlile, Wyo. CLAIM Shannon Oil

COLLAR ELEV. 4351.8 DEPTH 258

COORDINATES _____ _____

DATE COMPLETED 12-27-54

LOGGED BY LMB DATE 1-3-55

210.1/235 RECOVERY 89.4%

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH

ORE ____
MIN. ____
BARREN ✓

FAV. ____
UNFAV. ✓

U.S.A.E.C.

1/2

HOLE NO. TR-750

PROJECT Carlile Project 1a, Theta Ridge

LOCALITY Carlile, Wyo. CLAIM Shaffer Oil

COLLAR ELEV. 2,380.0 DEPTH 283

COORDINATES _____ _____

DATE COMPLETED 2-23-54

LOGGED BY LME DATE 2-28-54

RECOVERY _____%

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH

highly altered

Probably an altered, Sandstone, w few Small chert Pebbles

Clean, uniform.

8" VF-sty xbd Sm at 217½
1' mud Seam

1' grit well ind-
clean, uniform

Pebbly ss at Mdy also

bottom gn mud is bentonitic.

Bentonitic, w A Sub megascopic Pyrite x'tals thru-out.

C in lg pieces
A Hem & Massive Pyrite.

sty in places

S pyrite, inter lam.
Lam are Vy thin

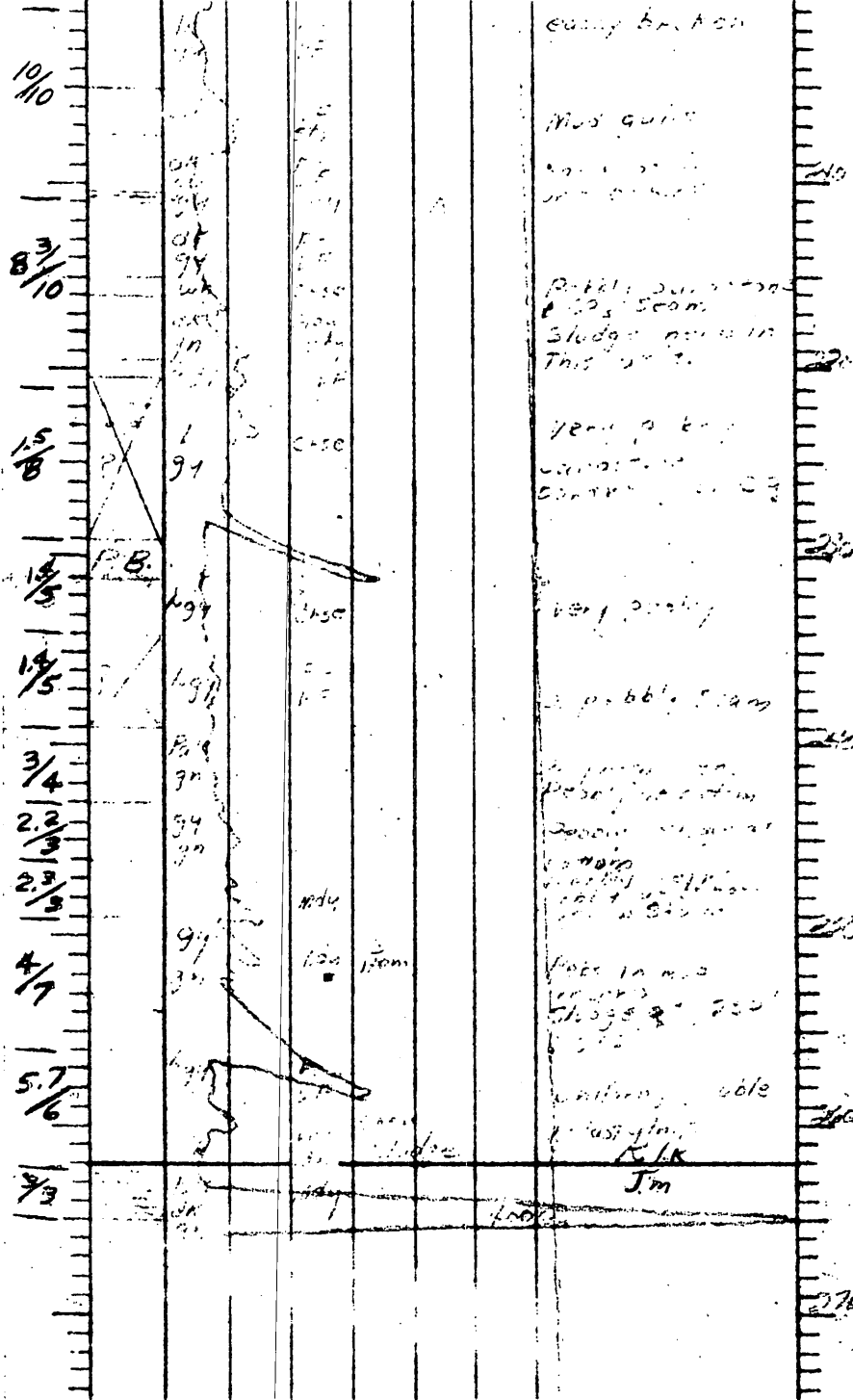
There are very Small bit S pyr on the gtz grains
Also a Red-orange Powder is visible
A pyrite x'tals
A gn stains

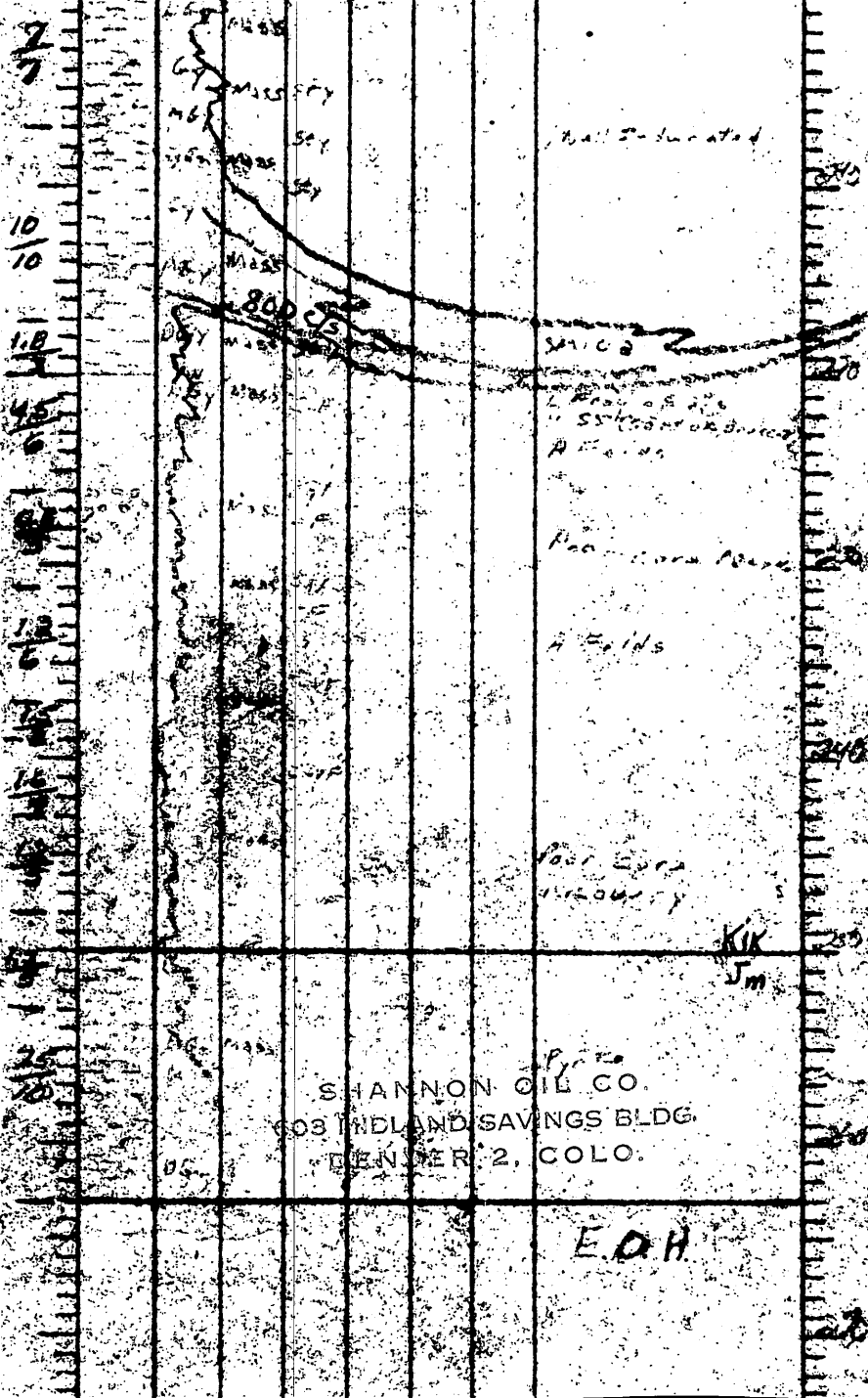
Klk
Jm

Vy Brittle

E.O.H. 282'

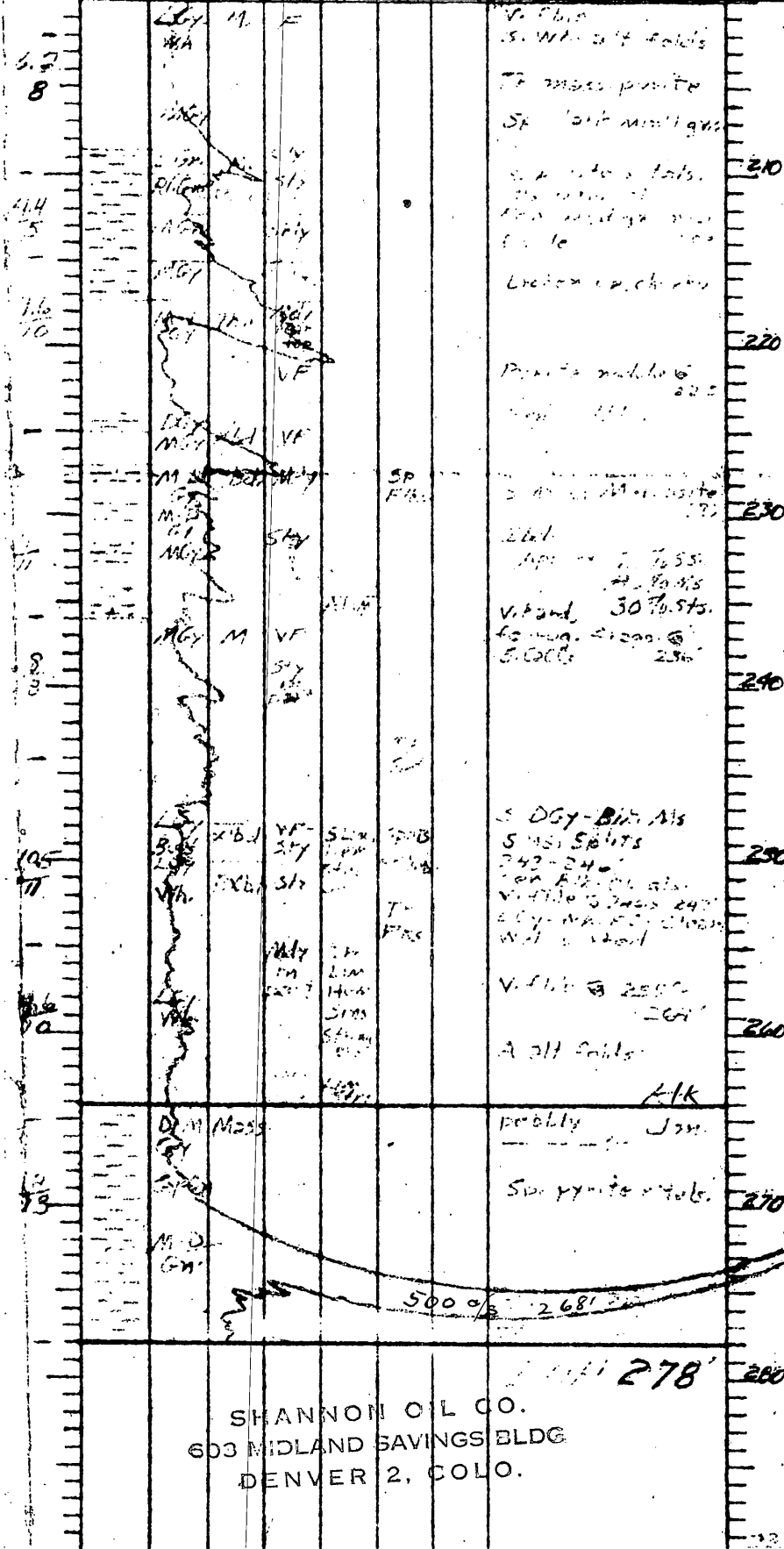
SHANNON-01 - CO.
505 MIDLAND SAVINGS BLDG
DENVER 2, COLO.

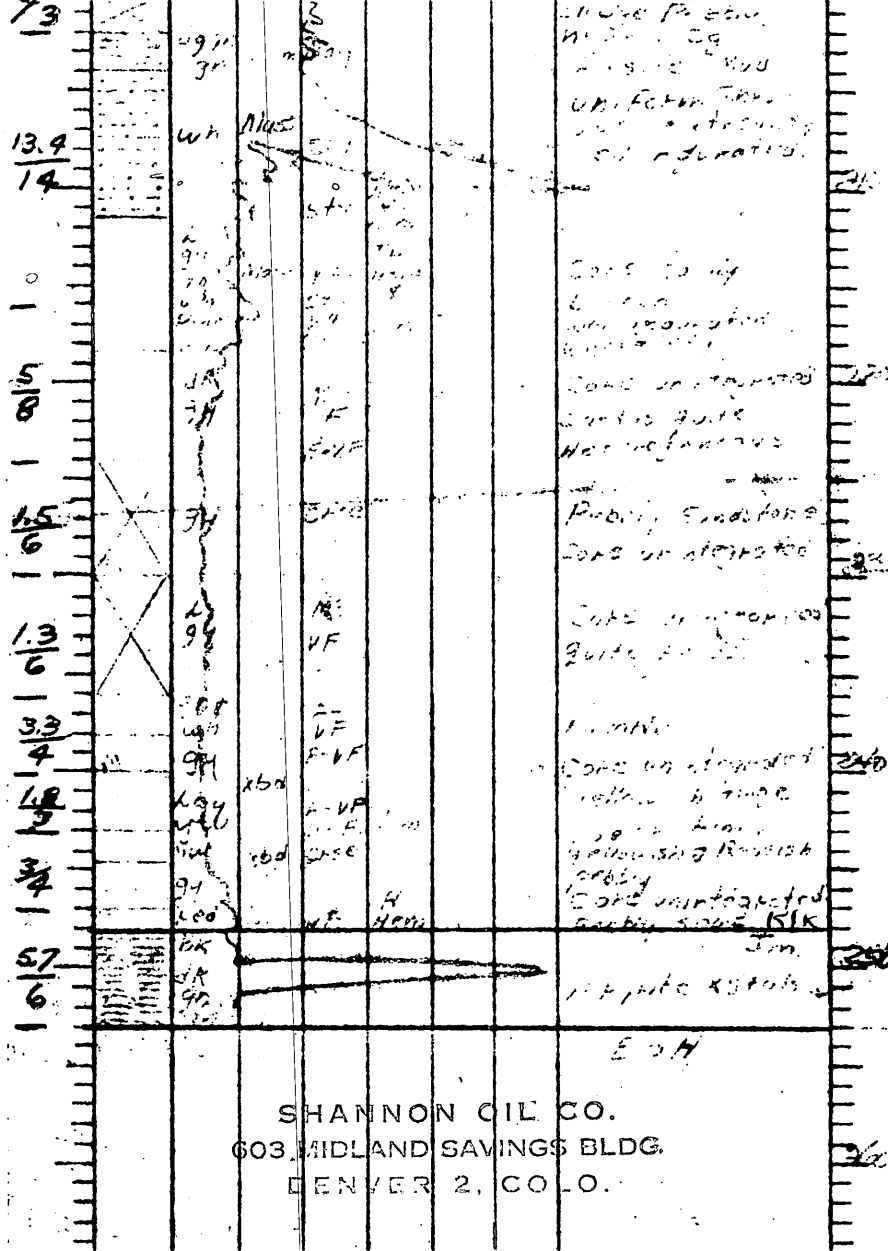

10/10
8 3/10
1.5/8
1.4/5
1.4/5
3/4
2.2/3
2.3/3
4/7
5.7/6
9/3
K.K
J.m

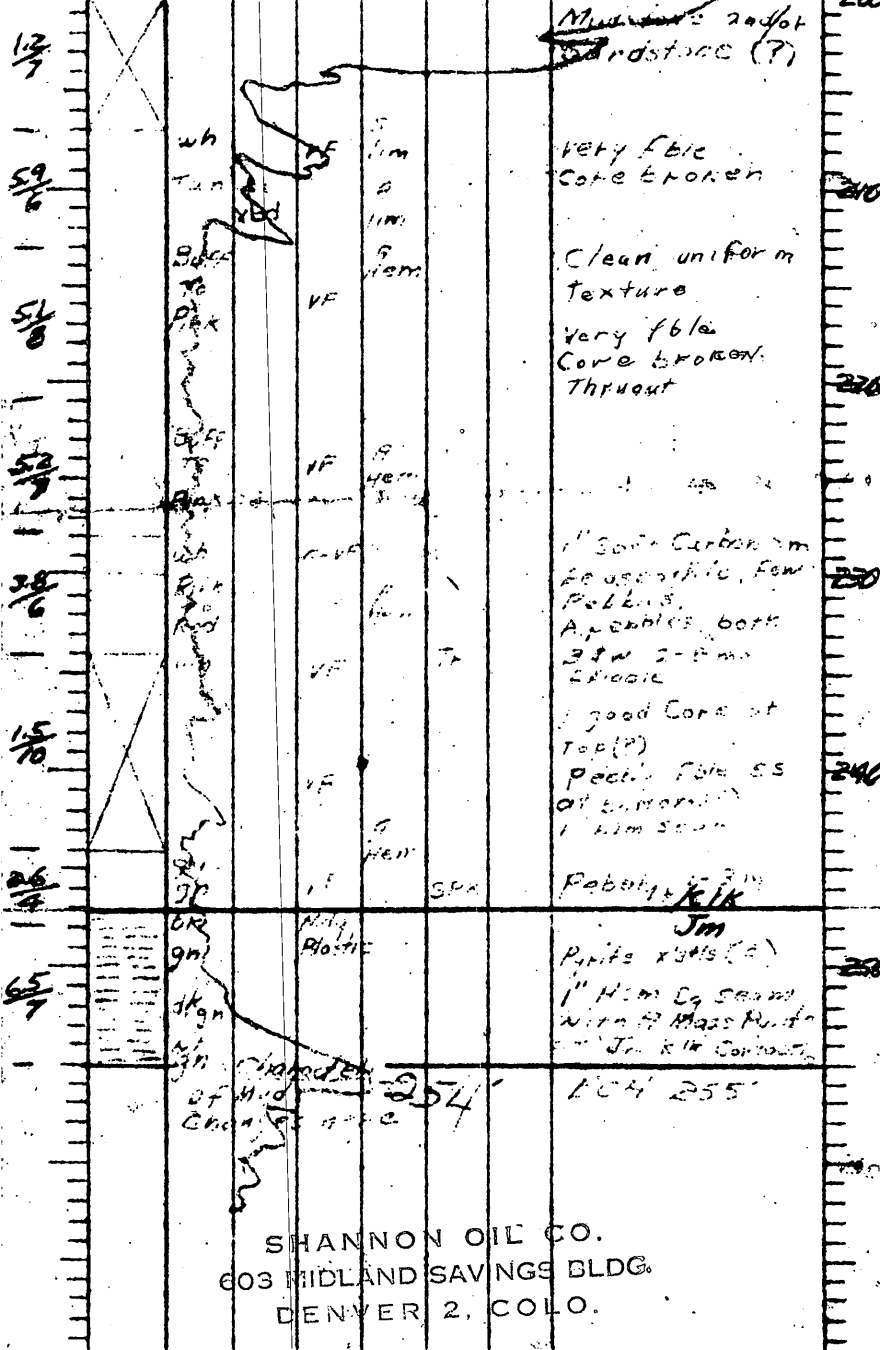

800 cfs
KIK
Jm
SHANNON OIL CO.
608 INDLAND SAVINGS BLDG.
DENVER 2, COLO.
E.O.H.

This "unit" extends to 210'
Sp d small mineral gns.
Vy homogeneous gns subangular plastic mud
Possibly a Mdy VF Sand Terminated w a yw VF pebbly Sand; Pebbles angular No recognizable U-V minerals
Probably a ~~pebbly VF sandy~~ mud; plastic
gns subangular, clean, uniform S feldspar coatings on grns
Vy Similar to Previous unit to 210', except more feldspathic, & no Pyrite x'tals
A Vy few single pebs in places
few pebbles & Mud galls
A pebbly, feldspathic Sandy "grit" Coarser at top. up to 8 mm.
a pebbly ss, pebbles up to 4 mm.
a Sdy gravel w A feldspar gravels, up to 7.8 mm "Salt & pepper" look few pebs in places
Possibly a Mdy, Pebbly VF ss, Similar to above
This segment Probably a Mdy ss at top, grading into a pebbly, mdy ss, and at bottom to a uniform, poorly cemented "grit"
Brittle, A pyrite.
E.O.H. 287'

SHANNON OIL CO.
503 MIDLAND SAVINGS BLDG
DENVER 2, COLO


210
220
230
240
250
260
270
280
500 a/s
2681
278'
SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG
DENVER 2, COLO.


13
13.4
14
5
8
1.5
6
1.3
6
3.3
4
1.8
2
3
4
5.7
6
SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.


Mudstone and/or Siltstone (?)
wh
Tan
Red
Black
Pink
Red
Pink
Red
Red
Br
gn
dkgn
gn
Chanded
of Hard
Chan
VF
VF
VF
VF
VF
VF
VF
Very fble
Core broken
Clean uniform
texture
Very fble
Core broken
Thruout
1" Soft Carbonaceous
Fossiliferous, Few
Pebbles,
Appears, both
Sides
good Core at
Top(?)
Pebbly
Pebbly
Jm
Pyrite
1" Hard Sd Seam
254'
LCM 255'
SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATING	CARBON	ORE MINERAL		DEPTH
									210
			Mass		[illegible]			siliciried [illegible] hard ironstone concretions [illegible] iron oxide [illegible]	
			Mass	[illegible]	[illegible]	Slms Cbn			
		MGy	Mass					[illegible] pyrite or marcasite	
								23' silicified Gy Ms	
		LGy						well indurated Ms between 113-118'	
		MGy	Thn.	Sty					220
		DGy	Thn.		Sp Cbn Slms				
9/10		MGy						3" MGy Ms Sm @ 225'	
		MGy	Thn.	Sty					
		DGy-Blk.						Sp. pyrite x'tals	230
0/10								260%	
									240
0/10									
									250
0/10									
		LGy		Tan	SoLim	SoCbn Son		"GRITTY" @ 260' A alt. feldspars subrounded rock fragments & qtz. pebbles	260
		LGy-[illegible]	Mass	Cong. Max	Alms Lim	Slms Cbn		Klk	
		DGy-Blk.	Mass					Jm large pebbles & rock fragments @ 265'	
									270
		Gy-Gr						Sp pyrite x tals	
		LGy							
		MGy							
								T.D. 280'	280

SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE ____ FAV. ✓
MIN. ____ UNFAV. ____
BARREN ✓

U.S.A.E.C.

1/2

HOLE NO. TR-749

PROJECT Carlile Project 19 (Thorn Ridge)

LOCALITY Carlile, Wyo. CLAIM Shannon Oil

COLLAR ELEV. 4369' DEPTH 278'

COORDINATES _____ _____

DATE COMPLETED 1-5-55

LOGGED BY LMB DATE 1-8-55

108/108 RECOVERY 84.4 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH

ORE ____
MIN. ✓
BARREN ____

✓ FAV.
____ UNFAV.

U.S.A.E.C.

1/2

HOLE NO. TR-903

PROJECT Carlile Project 1a, Thorn Ridge

LOCALITY Carlile, Wyo. CLAIM Shannon Oil

COLLAR ELEV. 4386.8 DEPTH 288

COORDINATES _____ _____

DATE COMPLETED 1-20-55

LOGGED BY _____ DATE _____

RECOVERY _____ %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH

ORE ____
MIN. ✓
BARREN ~~✓~~

✓ FAV.
~~✓~~ UNFAV.

U.S.A.E.C.

1/2

HOLE NO. TR-205

PROJECT Carlile Project 1-a, Thera Ridge

LOCALITY Carlile, Wyo CLAIM Shannon Oil

COLLAR ELEV. 4354.1 DEPTH 260

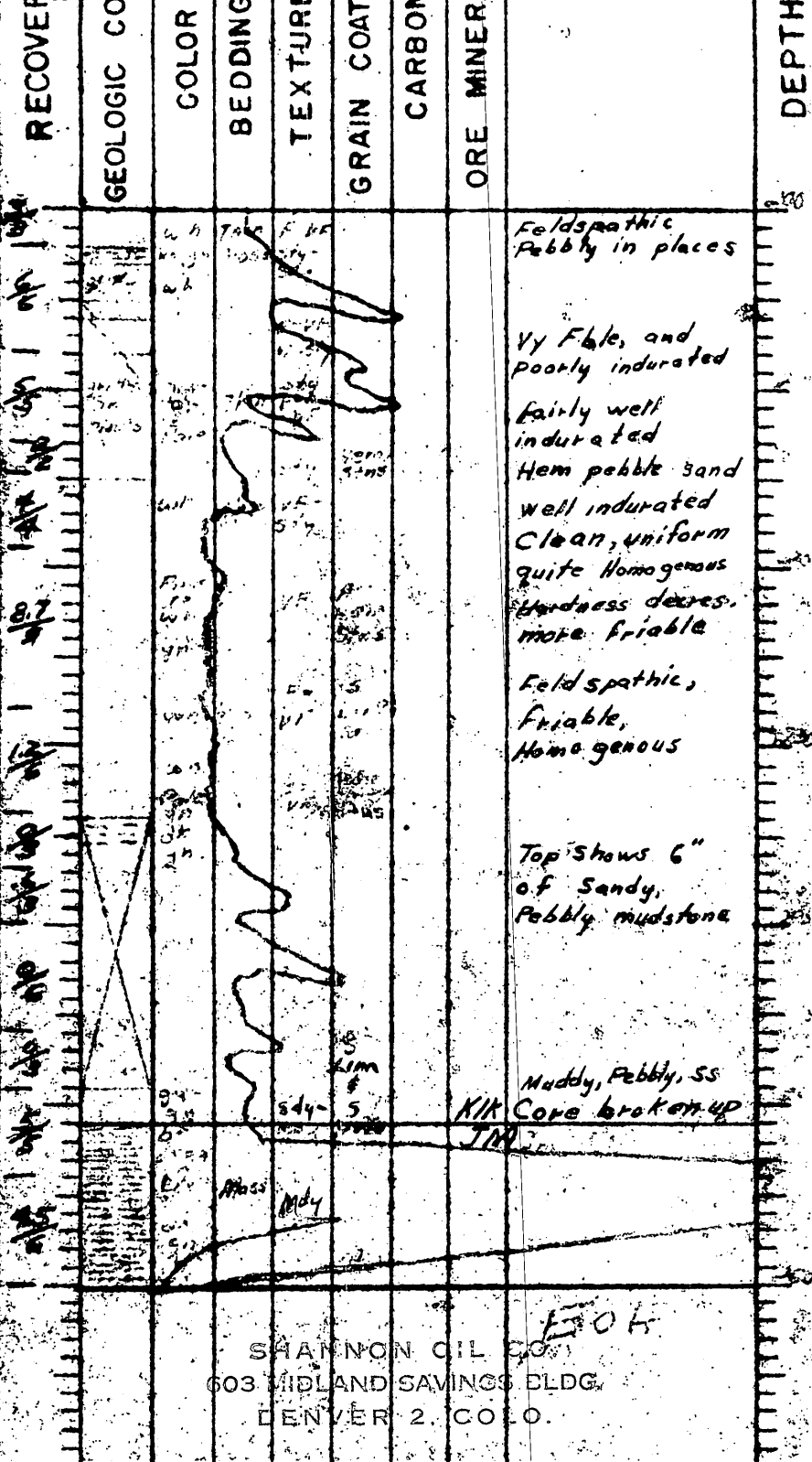
COORDINATES _____ _____

DATE COMPLETED 2-4-55

LOGGED BY _____ DATE _____

RECOVERY _____ %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH


RECOVERY
GEOLOGIC CO
COLOR
BEDDING
TEXTURE
GRAIN COAT
CARBON
ORE MINER
DEPTH
Feldspathic
Pebbly in places
Vy Fble, and
poorly indurated
fairly well
indurated
Hem pebble sand
well indurated
Clean, uniform
quite Homogenous
Hardness decres.
more friable
Feldspathic,
Friable,
Homogenous
Top shows 6"
of Sandy,
Pebbly mudstone
Muddy, Pebbly, SS
Core broken up
Kik
JM
Mdy
SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

U.S.A.E.C. 1 of 2

HOLE NO. LR-28

PROJECT Carlile Project

LOCALITY Carlile, New Mexico CLAIM

COLLAR ELEV. DEPTH 220'

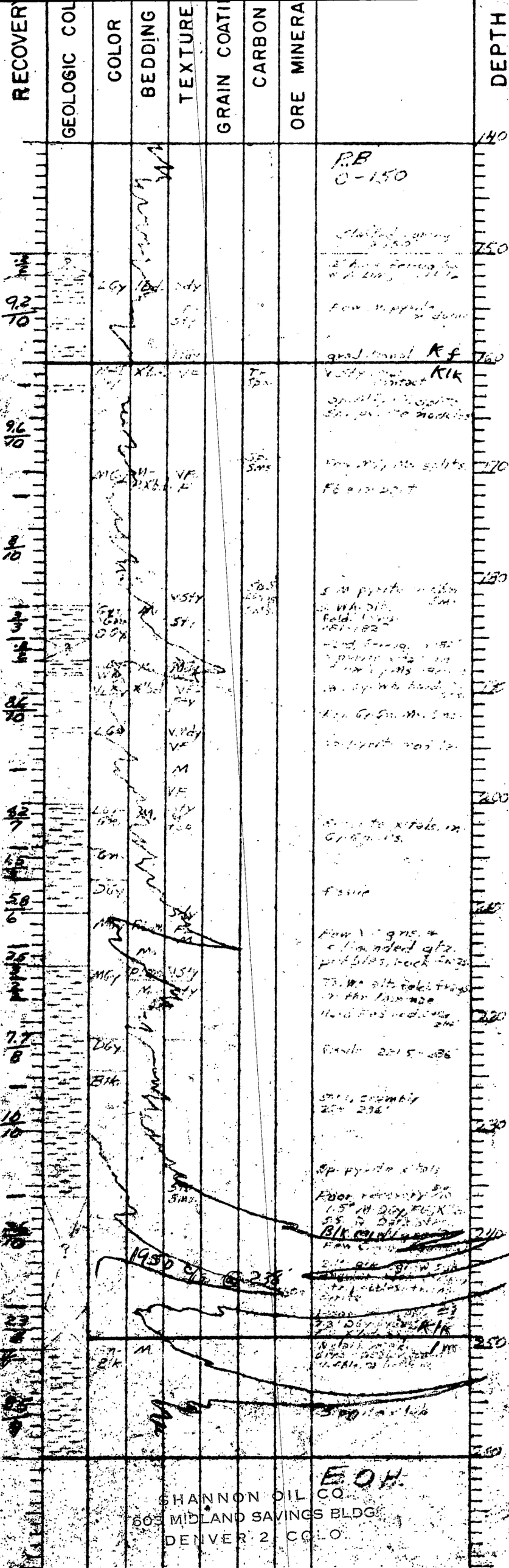
COORDINATES

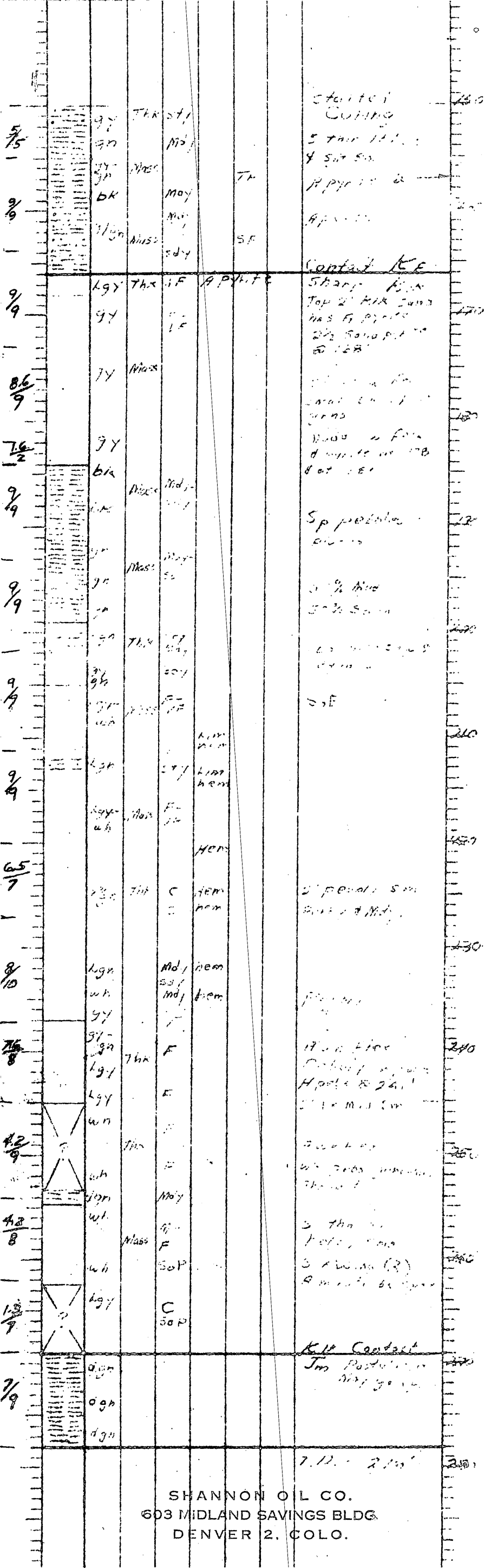
DATE COMPLETED 2/2/54

LOGGED BY DATE 2/23/54

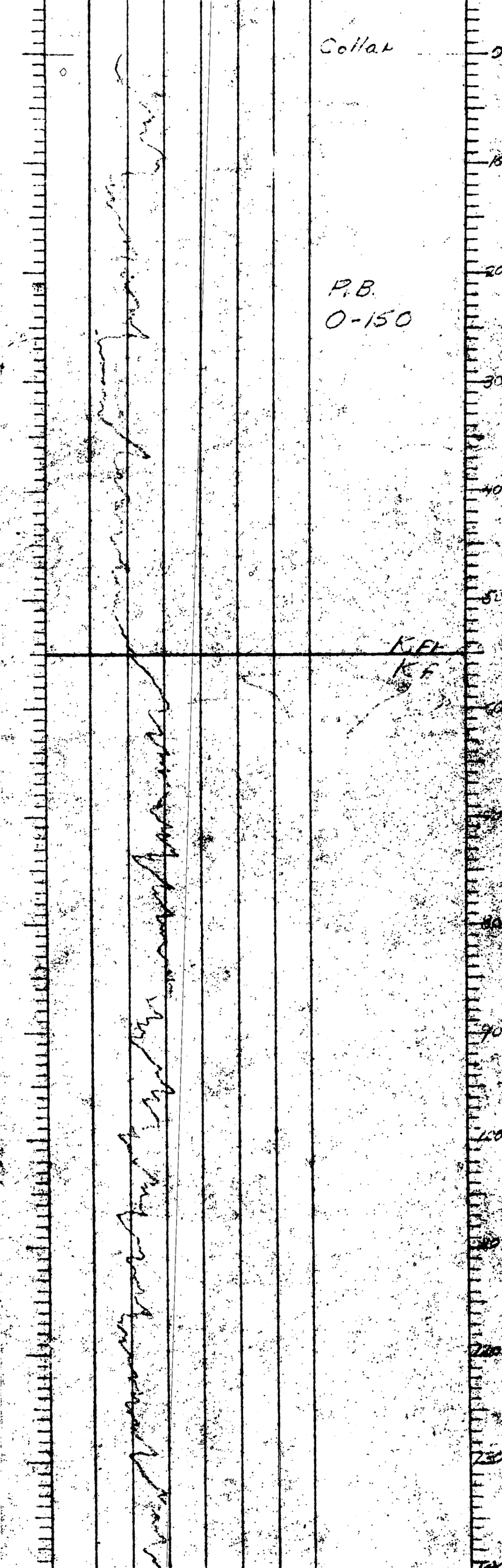
RECOVERY 55.2 % 50.9/220

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
		DGy Tan	Mass	Silty	Alms Sprs	SCbn Flks & Spx.		2" Cbn sm. @ 18' Jarosite & sp. alt. folds	10
7/10		LGy	Lam.	F-VF		SIms Cbn		Sp Mica Flks	
			xbd		SIms Lim				20
8.5/10		Bn LGy	Lam.		Alms			A gyp @ 129' 5 CaCO3 @ 29.5'-30'	30
8/10									
		LGy	Tan	VF	Alms Lim			Poor recovery between 40-50' (9.7/10) - No indication of coarse material	40
0.7/10								Sp Mica	
								Poor recovery between 50-59' (1/9) ironstone concretions @ 55'	50
1/9						SIms Cbn		Kcf Kf 5 CaCO3 from 50-59 iron conc. @ 59'	
		DGy Blk	Tan-Lam		Alms Lim & Hem & N Lim				60
2.4/10									
6.4/10			fols						70
		MGy							
8.8/8									80
		DGy Blk							
6/6				Silty					90
9.8/10									
				VSilty					100
		LGy	Mass	Mdv				Sp Mica Flks	
7.5/10						SCbn Flks		1" Mo Sm @ 109' Tan woody cbn sm. @ 110'	110
9.8/10						ACbn Frags		Sp Mica Flks	
		LGy	Tan Lam	VFG		SCbn Sms		A DGy Ms splits slightly calcareous between 125-126	120
8/10		MGy	Lam xbd	Silty					
									130
9.8/10			Mass						
						SCbn Flks & Spx			140
10/10									
		Blk MGy	Tan						150
		LGy	Tan Mass			SpCbn Spx		Sp Mica Flks. Sp pyrite	
6.2/8									
		LGy	Tan	Indy VFG				V Sp Mica A Thin Cbn sms @ 164'	160
7.1/10		MGy	Mass	Silty	Alms Lim	SCbn		Kcf Kfk	
		MGy	Tan	F-M				Fblo, sucrosic texture	170
		LGy						Sp mica Flks 5 alt folds	
8.5/10						Spbn Cbn			180
8.5/10						Alms Cbn			190
					Alms Sms				
						Alms Cbn		A silt band. Sp. diagen. pyrite	200


RECOVERY
GEOLOGIC COL
COLOR
BEDDING
TEXTURE
GRAIN COATI
CARBON
ORE MINERA
DEPTH
140
150
160
170
180
190
200
210
220
230
240
250
260
R.B.
0-150
Kf
Klk
1950 G/T @ 238
E.O.H.
SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.



SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.


Collar
P.B.
0-150
KFL
KF

[redacted]

U.S.A.E.C.

1 of 1

HOLE NO. FC-70A

PROJECT Cecilia Project #1 (Amendment)

LOCALITY Cecilia Mine CLAIM

COLLAR ELEV. DEPTH 270'

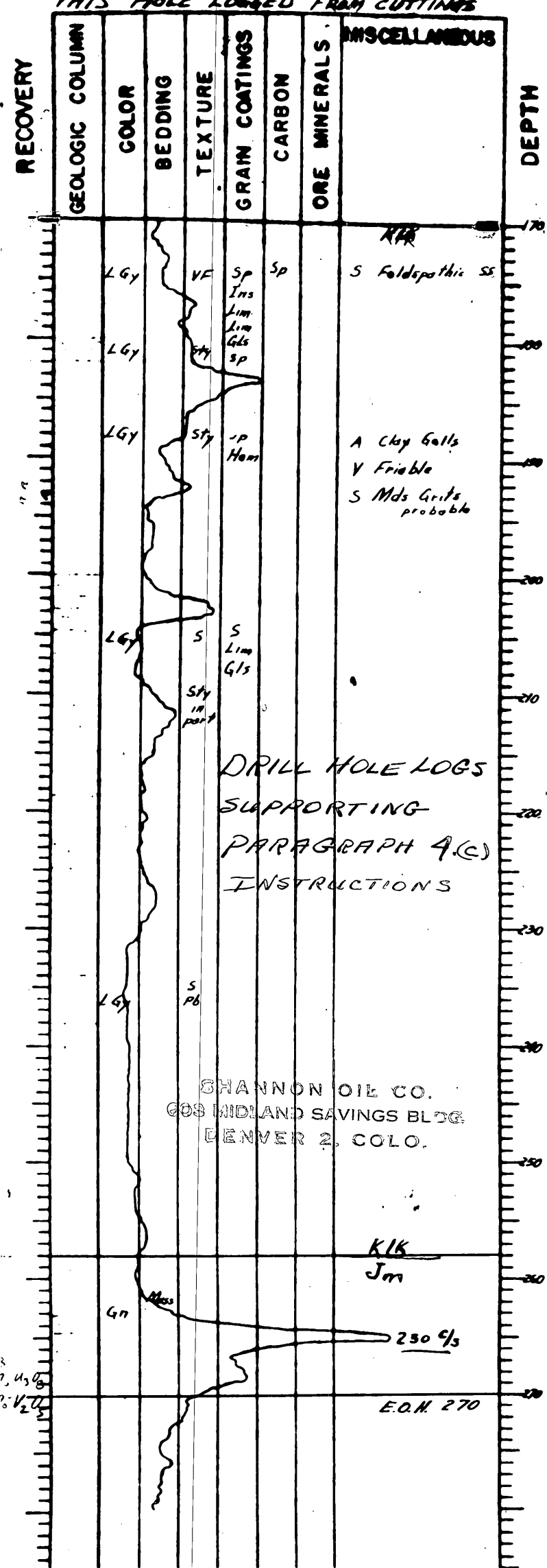
COORDINATES

DATE COMPLETED 2-16-64

LOGGED BY HCH DATE 2-16-64

RECOVERY — %

THIS HOLE LOGGED FROM CUTTINGS



[redacted]

U.S.A.E.C.

1 of 1

HOLE NO. 71-704

PROJECT Carlile Project #1 (Thorn Ridge)

LOCALITY Carlile, Wyo. CLAIM

COLLAR ELEV. DEPTH 274'

COORDINATES

DATE COMPLETED 3/15/54

LOGGED BY W.C.W. DATE 3/20/54

RECOVERY 74.5 % 70.1/121

SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE ____ FAV.
MIN. ____ UNFAV.
BARREN ____

U.S.A.E.C.

1 of 1

HOLE NO. 72-205

PROJECT Carlile Project #1 (Thorn Ridge)

LOCALITY Carlile, Wyo. CLAIM _____

COLLAR ELEV. _____ DEPTH 271'

COORDINATES _____ _____

DATE COMPLETED 2-13-54

LOGGED BY [illegible] DATE 3-19-54

RECOVERY 56.1 % 68/138

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								Hole bitted to 138'	130
7.2/8		Mdy Gy; M-L Gy; L Gy	Mass; Thin; Mass Thin	Mdy; Sty; Mdy		Scbn Flks & Spx; Spx Acbn; Spx	Sty; Sh; Sty	Some pyrite in Carbonaceous material. Sp. mica flks.	140
		M-L Gy	Lam.	Mdy			Sty; MS		
9/9		DGy-Dk Brn	Mass			VA Cbn	Sh	from 150-175' Interbedded Sty & Sh Approx. 33% MS 66% Sty. Cbn-woody material A pyrite	150
		M-L Gy	Thin Mass			Scbn Spx; Spcbn	MS; Sty	S mica flks. Well indurated @ 156' sp pyrite	160
10.3/16					Sp Lim Stns				
				Mdy		S Cbn Flks & Spx			170
3 / 6 / 5					V Fg Lim			S mica flks. KE Gradational	
		LGy	Thn	FG		S Cbn Flks & Spx		Klk SP dissem. pyrite. 630 c/s	180
4/20				Sty		S Cbn Stns A Spx			
					Sp Ins Lim				190
				Mdy	A Ins Lim				
		Wh-Or Pk Br	Mass	VC-Congl	A Ins Lim			"GRIT" Very feldspathic Lim. inclusions Subang rock frags; Qtz pebbles, Clay inclusions, fble. Very poor recovery between 195-210'. Core probably lost in loose coarse meth. S alt feldspars	200
13.2/15		LGy	Thn	FG	S Lim				
		LGy-Dk Wh-LBr	Mass Thn	FG	A Ins Lim & Hem			(21%) Very poor recovery between 210'-230'	210
18.8/20		LGy	Mass	Congl	S Lim Inclu			2" 2m GRIT A ins Lim, alt. feldsp. Rock fragments. Qtz pebbles	220
		Wh		VFG Mdy					
		Wh-Ck LBr	Mass	Congl				Chunky congl. S alt feldsp, clays, rock fragments, qtz pebbles	
		Vinyl VLGy		FG		Sp Ins Cbn		Subangular-angular V fble	230
5/8		Pk-Br Wh-Br	Mass	F-MG Congl	Sp Ins Lim			Chunky, V fble. A alt. feldspars, @ 237-239' A rock frag. Qtz. pebbles	240
0.2/11								from 239-250' very poor recovery (2%)	
		LGy Cr	Thn Mas Alam	F-MG		Vsp Ins Cbn		A alt. feldspars fble	250
26/15		DGy Blk	Mass					Klk gradational Jam	
		Gn	Alam					S dissem. pyrite & marcasite	
46/15									260
				EOH				EOH 271	

SHAWNON OIL CO.
OLD MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE ✓
MIN. ---
BARREN ---

✓ FAV.
--- UNFAV.

U.S.A.E.C.

1081

HOLE NO. 72-208

PROJECT Carlile Prospect #1 (Thurn Ridge)

LOCALITY Carlile, Mont. CLASS

COLLAR ELEV. DEPTH 285'

COORDINATES

DATE COMPLETED 8/11/54

LOGGED BY MCP DATE 4/14/54

RECOVERY 88.1 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN CONTACTS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								Note: Core is in reverse order in box 1 (150-285')	
								Plug lifted to 150'	
		DGy	Mass	Shaly					150
9.7/10				Silty in part				Mica flks tr.	
		LGy	Mass			Sp Chl Spm			160
1.5/10									
								0.4' actual core between (170-180') 0.3' dy [illegible]	170
								Kf [illegible] contact pastel [illegible] 5300 CPS	
		M DGy	Mass	MG	Sp Lim	Tr Chl		20 counts/min	
3.3/10							Tr (?)	mineralization may be dark coating on sand grains	0.1
		M-LGy	Thin	Mud & Silt	Tr Lim Strs			Tr Lim pebbly @ 200' Sp alt. felds	0.3
		LGy	Thin	MG		Sp Chl Spm		S pyrite x tals Az. blue coloring in mud @ 188' V. feldspathic @ 190' fble in part	190
5.3/10			Lam					2 thin carry sm @ 201' w abundant sub-angular rock fragments & qtz. pebbles & alt. felds Sts	
		LGy		Vdy	Tr Lim Strs	Tr Chl Spm			
		MGn	Mass					chunky	
8.7/10								Sdy @ 208' for .8'	
		Gy N.Gn							
8.8/4		LGy		MFG	Tr Lim Spm	Tr Chl Spm		S alt felds	
		LGy		Mdy				hard	
		MGy				Tr Chl Spm			
		MGy	Mass	Sty				Tr massive marcasite @ 209'	
5.3/8									
		LGy		Mdy					
		MGy	Mass	Shaly				Massive pyrite @ 224'	
1/8									
		DGy						Poor recovery	
				698 CPS				(Est.) most sandy have been lost in loose gravel, although no indication of sand in actual core	
3.1/10									
		DGy	Plan					Massive arsenopyrite Hem w lim. dissem in V hard masses & Sm.	
9/10									
9/7									
				375 CPS				Kf	
		BR Gy Gn	Mass	Shaly	Sp Lim Strs				
13.9/16								No pyrite	
		MGn						Sp gyp [illegible]	
3.1/10		LGn							
								T.D. 285'	

CHAMPION OIL CO.
CENTENNIAL SAVINGS BLDG.
DENVER 2, COLO.

U.S.A.E.C.

1 of 2

HOLE NO. TR-710

PROJECT Lac. 1a Project #1 Colorado Bridge

LOCALITY 2 Mile Mesa CLAIM

COLLAR ELEV. DEPTH 275'

COORDINATES

DATE COMPLETED 2/17/54

LOGGED BY DATE 2/19/54

RECOVERY 66.6 % 167.8 / 252

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								0-23' Plug bitted	
15/20		Bn-LGy	Thn	FG	Slns Lim	SCbn Flks & Spo; ACbx Sms			30
6.5/7				Mdy	AIns Lim S MN	ACbn Flks & Spn.		3" Sm @ 38' cutting across bedding @ high angle - contains A con, A Gyp & Anhydrite A Lim, & A mica Flks. S Gyp Sp Mica Flks	40
7.8/18		L Gy LGy Bn Bn L-MGy	Mass Thn Thn VMas	VFG FG VSlty	Slns Lim VA ins Lim	SCbn SCbn Flks Slns Cbn		Hard carbonate layer between 49.5-51.5' separated by 4" fble boron zone A Mica Flks	50
		DGy Blk	Lam Thn	Slty				Kfp gradational Kf chunky near contact Sp mica	60
10/10								Numerous Slty spots between 60-100.8'	70
20/20		Gy DGy Blk.		Slty					80
5/5		LGy.	F Lam & x bd.	Sdy	SCbn				90
15/15		MGy LGy	Mass	Mdy	SCbn Flks & Spx			S mica Flks Sp pyrite · cab Flks	100
		MGy LGy DGy	Mass	Slty				Ms	110
14.7/15		MGy DGy Blk	Thn	Mdy				Sts Ms	120
		MGy DGy	Thn	Slty				Between 110-125' lbd ms & sts 60% Sts 40% Ms Sts Ms	130
13.4/15		MGy	Thn		SpCbn			Sts A Small Cr Clay galls	140
6.3/20		DGy Blk	Thn	Slty				Ms	150
		LGy	Mass	Sdy				well indurated Sts	160
6.5/11		LGy Gy	Thn			Sp Cbn Flks		Sts	170
		LGy	Thn	FG		SCbn frags		Kf gradational Kk	
8.8/8		DGy Blk	Mas	SNV		SCbn		½" (GRIT) @ 180' Salt Feldspars, rock fragments, subrounded Qts. pebbles. Sp Mica pyrite Chunky Ms	180
7.3/10		Gn Gm							
				GRITTY				348 CPS	190
		VLGy Wh		GRITTY VC-Gragl	Slns Lim & Nom			A alt. feldspars 1" DGn Ms below wf Ms @ 143'	
5.6/10		LGy						A alt. feldspars, rock fragments & Subrounded Qts. fragments.	200
		LGy	Mass	FG	Slns Lim	VSp Ms Cbn			
10.4/11		MGy	Thn Mas	Sdy MG	Sym Nom	Sp Mn Cbn		V soc texture somewhat feldspathic	210
		LGy	Thn	F-MG	Ro Mn			3" "Gritty" Layers	
		LGy		VC-	Slns Lim	Sp Mn Cbn		A alt. feldspars, Subrounded-rounded rock fragments & Qts. pebbles, sp disem pyrite	
3/21		MGy		MG GRITTY	Slns Lim			From 214-255' is sludge only, no core clay particles & rock fragments throughout - probably some are uphole cavings A alt feldspars V. fble.	230
2/10		LGy		FG	Slns Lim	Solns Cor		Poor recovery between 158-165	250
1.6/10			420 CPS					Contact interpolated	260
8.3/10		Blk DGy Gn DGn	Mass		Slim Slns			Kk Jm s mancasite x tals	270
								EOH 275	

SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE
MIN.
BARREN

PAY.
UNPAY.

U.S.A.E.C.

HOLE NO. 723

PROJECT [illegible]

LOCALITY [illegible]

CLAIM [illegible]

COLLAR ELEV. 4357.09

DEPTH 260

COORDINATES

DATE COMPLETED [illegible]

LOGGED BY [illegible]

DATE 11-21-54

RECOVERY 72.7 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								Hole lit 0-160.	
								Starting spring @ 160.0 [illegible] [illegible] [illegible] [illegible] Mesa Sand at bottom [illegible]	
								Muddy + quite powdery [illegible] [illegible] Many [illegible] [illegible] Many small [illegible] [illegible] Pyrite well [illegible] A pure [illegible] Powdery [illegible]	

ORE ____ FAV.
MIN. ____ UNFAV.
BARREN ____

U.S.A.E.C. 1 of 2

HOLE NO. 744

PROJECT Carlile Rapid Creek Bridge

LOCALITY Carlile Wyo CLAIM Shannon

COLLAR ELEV. 4399.01 DEPTH 223'

COORDINATES _____

DATE COMPLETED 11-22-54

LOGGED BY LMB DATE 11-22-54

66.3 / 70.3 RECOVERY 54.4%

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								P.B. 0-150	
								Kfr / Kf	
3/4		bk lum						Fissile very well indurated	
9/9								Contact gradational	
								Kf / Klk	
12/15								Partly well indurated well indurated Thin mus seams 6" silt seam p. pyr seams Contact from 123-125 Lithospathic Fissile	
6/7								Coal at 182 Uneven gn sh. Probably sandstone Core broken up	
9/5									
9/5									
9/4									

ORE ✓
MIN.
BARREN

✓ FAV

U.S.A.E.C.

HOLE NO. E 743

PROJECT

LOCALITY CLAIM Shannon

COLLAR ELEV. 4380± DEPTH 255'

COORDINATES

DATE COMPLETED 12/6/54

LOGGED BY LMB DATE 12/7/54

RECOVERY 73.4 %

76/103

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								198-200	
								KFF K.C	
								Started Coring	
								nearly solid core Seam at 152 below FeS_2 (?) Seam	
								Ret. wall indurated.	
								KF Core KIK	
								U-V min in dk sfns. & stks. Feldspathic, friable S mass FeS_2	
								189' 192'	

ORE ✓
MIN. ____
BARREN ____

✓ FAV.
____ UNFAV.

U.S.A.E.C.

1 of 2

HOLE NO. ZR-735

PROJECT Carlile Proj. #1a (Thorn Ridge)

LOCALITY Carlile, Wyo CLAIM Shannon

COLLAR ELEV. 4369.1 DEPTH 281'

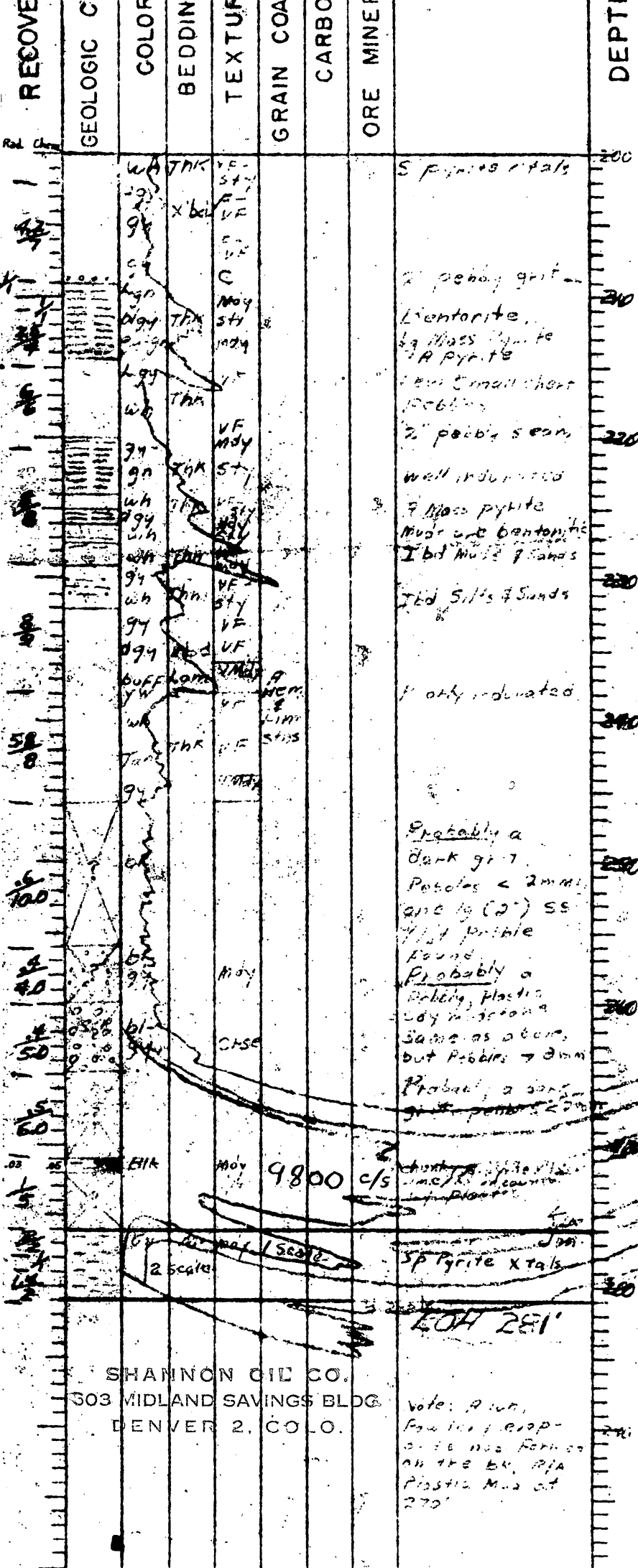
COORDINATES _____ _____

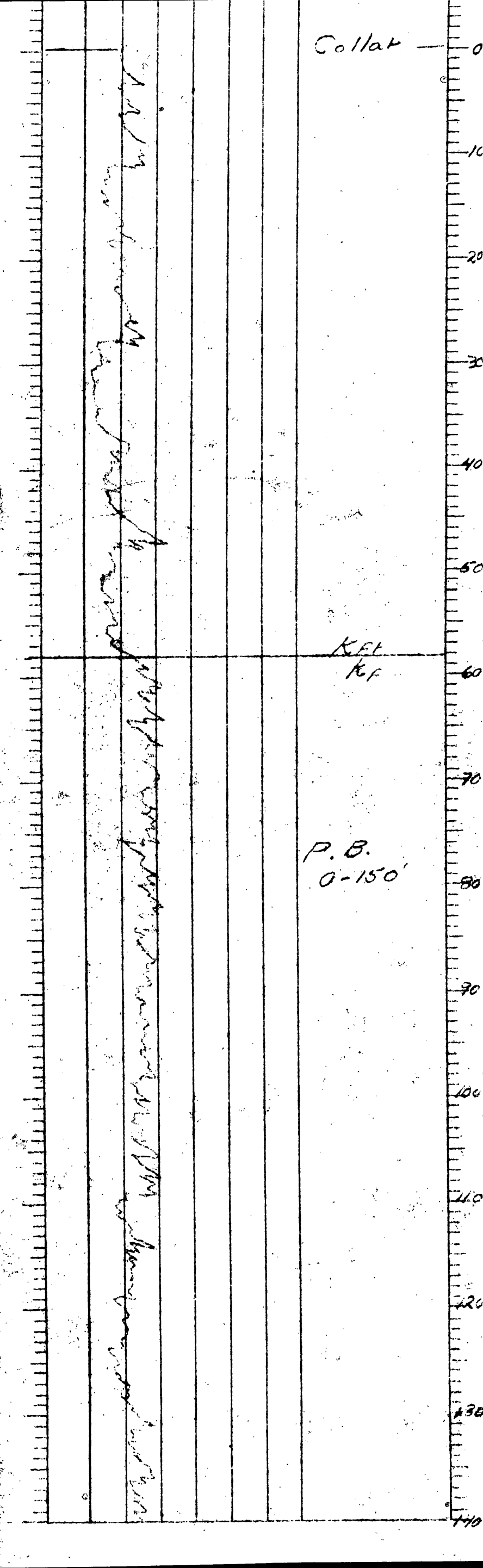
DATE COMPLETED 12/14/54

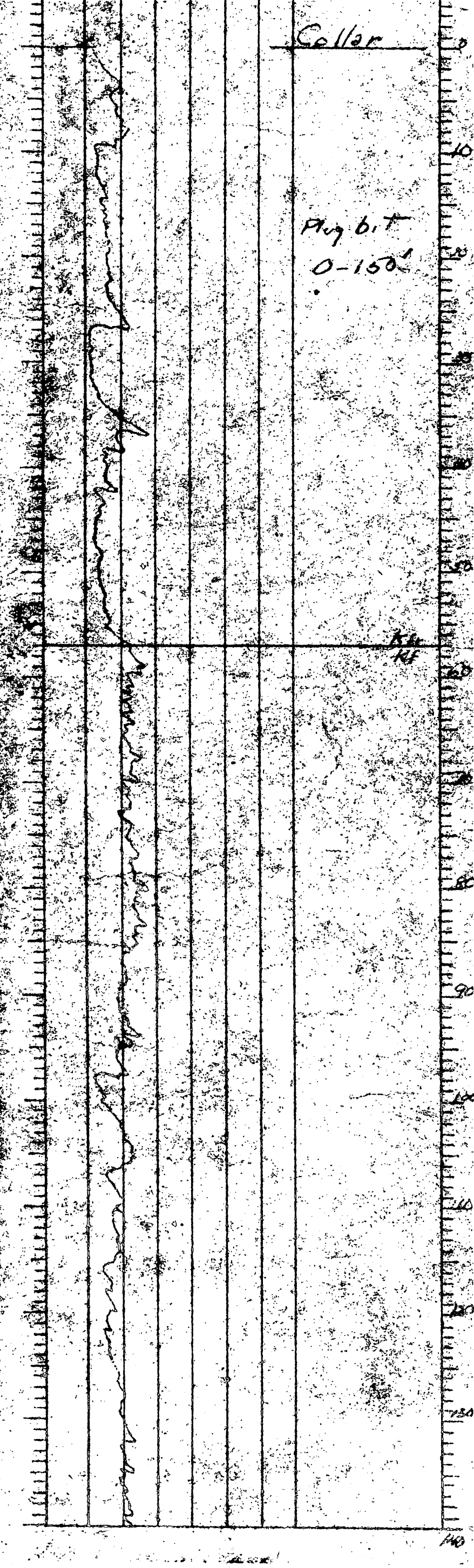
LOGGED BY LMB DATE 12-20-54

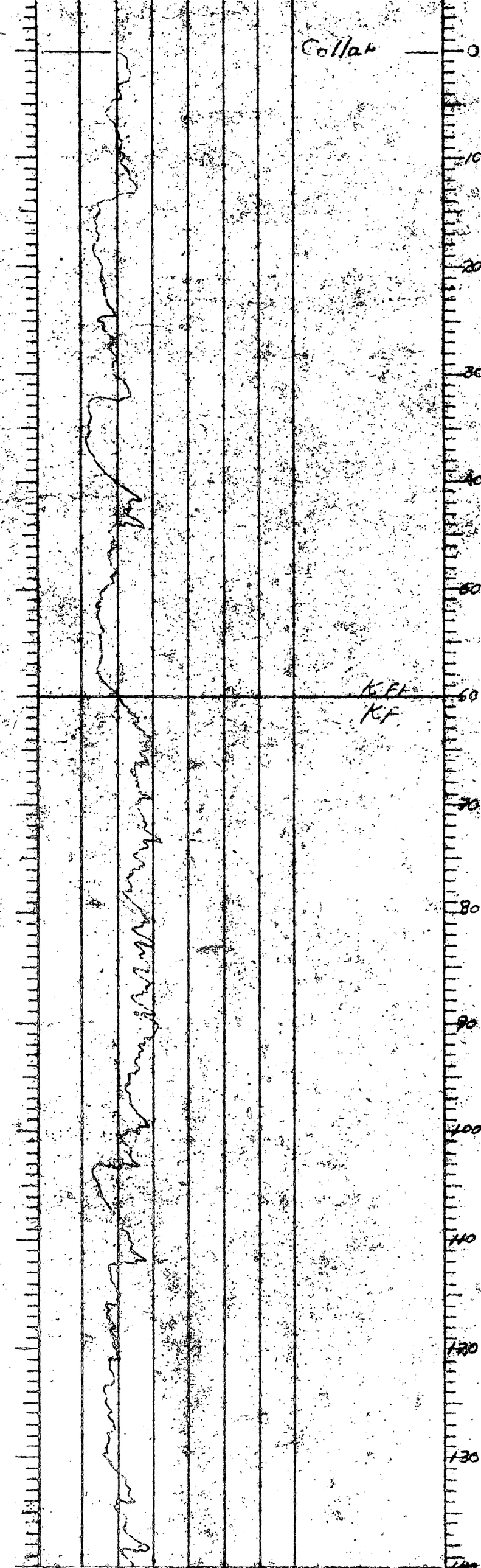
90.8/131 RECOVERY 69.3 %

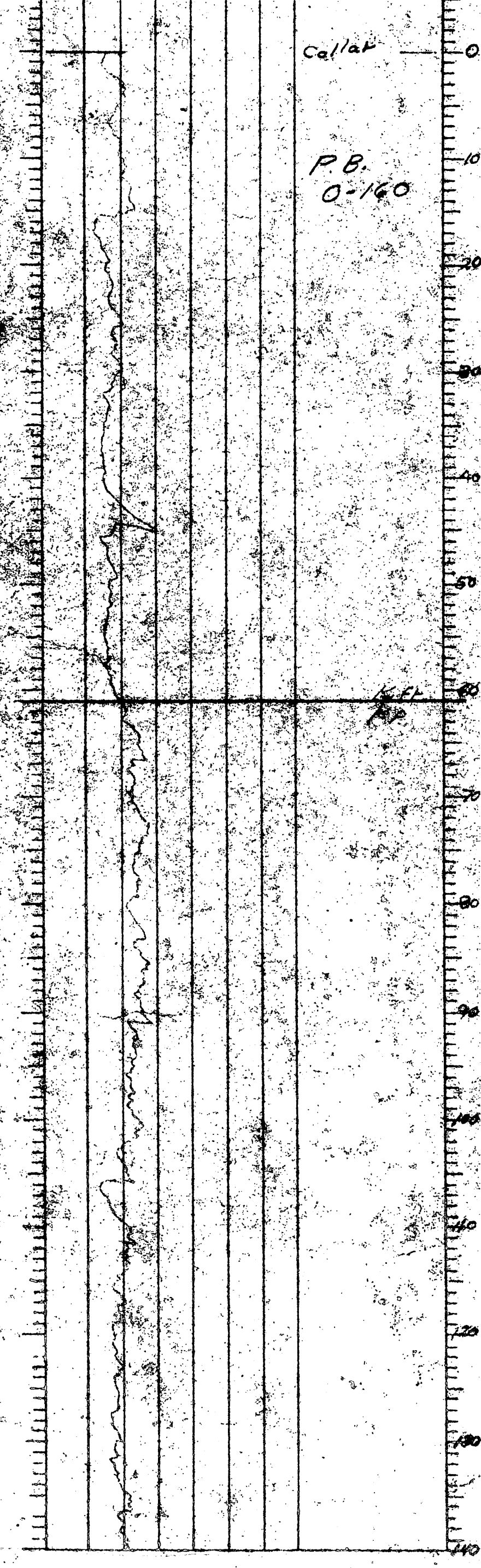
RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								Plug bit 0-150'	0
									10
									20
									30
									40
									50
								Kfr Kf	60
									70
									80
									90
									100
									110
									120
									130
									140
								Started coring @ 150' 75% Sh 25% Sd Core Lost Interbedded Tr. Purple Mottles	150
83/8		LGy		VMed					
72/8		MGy	M	Fr-VF		Spk Film		Lost Contact Kfr Grad Contact difficult to det.	
7/8		DGy							


RECOVERY
GEOLOGIC C
COLOR
BEDDING
TEXTURE
GRAIN COA
CARBO
ORE MINER
DEPTH
Rod Chg
200
210
220
230
240
250
260
270
280
290
9800 c/s
EOH 281'
SHANNON OIL CO.
503 MIDLAND SAVINGS BLDG
DENVER 2, COLO.


Collar
0
10
20
30
40
50
KFt
KF
60
70
P. B.
0-150'
80
90
100
110
120
130
140


Collar
Plug bit
0-150'
KB
KB
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140


Collar
0
10
20
30
40
50
K.F.
KF
60
70
80
90
100
110
120
130


Collar
P.B.
0-160
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

Plug bit
0 – 160

Started Coring
Basically Siltstone sdy Throughout, Mdy in places
Sp Pyrite

Contact
Distinct Klk
C in thin Sms or veinlets & Vy small spex
Sp bk sand grns

Few Pockets of ...
Mdy at base w Sp small pebbles
S mud galls
... Sp ... Pyrite ...
... Carbon ...
Sp ...

2400 cis @ 203

A wh flex. this extends to 246

Sdy ... Probably a Mdy Sdy grit ... at base vy fald.

... from ...

Sp pebble grit same ...

Klk
Jm
Mass Pyrite
Mdy ...

EOH 288

SHANNON OIL CO.
203 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

RECOVERY | GEOLOGIC COLUMN | COLOR | BEDDING | TEXTURE | GRAIN COATING | CARBON | ORE MINERALS | DEPTH

Rad. | Chem.

140

Started Coring — 160

Contact Kf
Stand. [illegible] May be 168
well indurated

Mass pyrite at 167
2 Mud sm.

Mud sms at places
A mud galls — 180

Vy well indurated

C in R/A Seams — 190
W. Pyrite
Vy well indurated

dk min stks
Bedding [illegible]
& minute-Pyrite xtals. — 200
[illegible], Sole
Feldspathic

Pyrite. Silicified at top & bottom [illegible]
typical sand
well indurated — 210
Vy Feldspathic
Sp [illegible] Ms gns

Thin MS Sms — 220

Vy fine & [illegible] — 230

Ady in [illegible]

quite [illegible] in 1st [illegible] — 240

250

Some Hem Ss at Contact in soft — Kf-k

Jm — 260
Contact may be [illegible] down 3 feet.
5 [illegible]

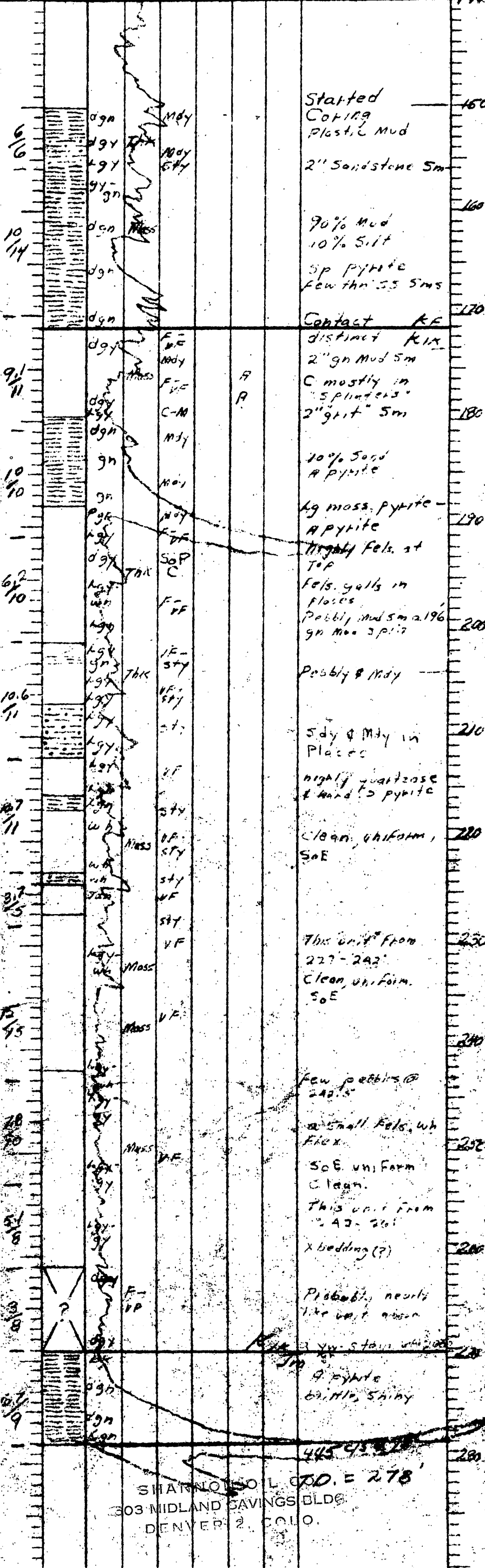
E.O.H. 268 — 270

S. CANNON CO.
603 MIDLAND SAVINGS BLDG
DENVER 2, COLO

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATING	CARBON	ORE MINERALS		DEPTH
									140
								Started Coring	150
10/10		gy gn	Mass	sty		Tr		Tr pyrite uniform, well indurated	
		wh gy	Thk	sdy sdy Mdy				Ibd Muds, sits, & Sands	160
8/8		gy	Thk	sty sdy				Contact KE	
5/5		dk gy	Mass	VF		S		distinct K IK Tr Pyrite	170
		lgy		VF-sty		SP A		Mdy at 168' Thin NS Sm at 171 and 173'	
6/8		d gy		VF		Tr			
		gy		Mdy					180
8.9/9		dgy dgn gy wh	Thk	Indy VF-sty				Few minute Pyrite x'tals few pebbles; Mud is bentonitic	
		wh wh lgn	Mass					feldspathic, Mud well indurated S pyrite	190
7/8		lgn	Thk	VF-Indy Mus				Mostly indurated S pyrite; 50% Sand, 50% Mud	
		wh lgn	Thk	C				6" wh sdy Sm pebbly & sdy	200
		gy gn		C-M				2' grit at 199	
9.6/10		gy wh lgn	Thk	F-VF				Pebbly, gritty SS vy poorly indurated	
		gy						few pebbles	
		wh	Thk	VF sty				clean, SoE. Homogeneous	
10/10		lgn	Thk	VF					
		wh		VF-sty				clean, uniform, 6" quartzose Sm	
		wh	Mass	SoE				Homogeneous	
11/11		wh		VF-sty					
		lgn wh		VF-sty				Core broken	220
10.7/11		wh	Mass	VF-sty				Clean, uniform Homogeneous SoE	
		wh	Mass	VF-sty		A Hem			240
8.8/9		lgy		F-VF				Clean, uniform Homogeneous.	
		lgy		F-VF		P Hem			
1.7/1	?	dgy		C				uniform, sharp, angular grit chert & [illegible] in size	
2.2/1	?	dgy		C					
	?							o/s	
2/12		gs	Mass					S pyrite & [illegible]	

T.D. = 275'

SHANNON OIL CO.
303 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.



SHANNON & LUCAS
303 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE ____ ____ FAV.
MIN. ____ ____ UNFAV.
BARREN ✓

U.S.A.E.C. 1 of 2

HOLE NO. 7145

PROJECT Carbide Prospect Thorne Ridge

LOCALITY Carbide, Wyo. CLAIM Shannon

COLLAR ELEV. 6385.1 DEPTH 278

COORDINATES

DATE COMPLETED 12-10-54

LOGGED BY DATE

2294/258 RECOVERY 88.9 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								Plug B.T. 20'	0
								Started coring @ 20'	10
12/12									20
									30
15/15									40
									50
14/15									60
								Kfr	
9.9/10								Fissile	70
5/5									
10/10									80
								Fissile	
5/5									90
15/15									100
									110
10/10									
									120
14.8/15									
									130
5/5									
									140
10/10									
8.8/8									150
5/5									
8.8/8									
4/4									160
5.2/8									
4									170
9.2/15								Kf	
								Blk	
									180
1.8/7									190
5.5/10									

ORE ✓
MIN. —
BARREN —

✓ FAV.
— UNFAV.

U.S.A.E.C.

1/2

HOLE NO. TR-796

PROJECT Carlile Project la Thorn Ridge

LOCALITY Carlile, Wyo.

CLAIM Shannon

COLLAR ELEV. 4393±

DEPTH 287

COORDINATES

DATE COMPLETED 12-22-54

LOGGED BY LMS

DATE 12-22-54

97.9 / 137

RECOVERY 71.5 %

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								P.B.O. 150	0'
								Kc	60
								started Coring. Lance Creek [illegible] well indurated	150
								Kc Contact Sharp. [illegible] in places. Sp small pyrite x'tals	165
								quite uniform. Sp small pyrite x'tals	
								C in seams. No Recognizable U-V minerals. Many small bk grains on qtz grains	
					10000 c/s 186				
								Clean, uniform. Sp small pyrite x'tals	

ORE ___ ✓ FAV.
MIN. ___ ___ UNFAV.
BARREN ✓

U.S.A.E.C. 1 of 2

HOLE NO. 747

PROJECT Carlile project 1a, Thorn Ridge

LOCALITY Carlile, Wyo. CLAIM Shannon

COLLAR ELEV. 4390± DEPTH 263

COORDINATES _____ _____

DATE COMPLETED 12-17-54

LOGGED BY Leal DATE 12/25/54

RECOVERY 87 %

217.9
SRE

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								Plug B.T. 15'	5
									10
									20
									30
									40
									50
									60
								Kf	
								Gradational Kf	70
									80
									90
									100
									110
								40% Sts 40% SS 20% Ms	
									120
									130
								Kp	140
								Klk	
								Fairly well indurated	
								SMs Splits	
									150
									160
								Very Colored pebbles Maly Cyl	
								Well indurated	

ORE ____ ____ FAV.
MIN. ____ ____ UNFAV.
BARREN ____

U.S.A.E.C.

1 of 2

HOLE NO. 728

PROJECT Carlile Prospect Investigation

LOCALITY Carlile, Wyo. CLAIM Sharon

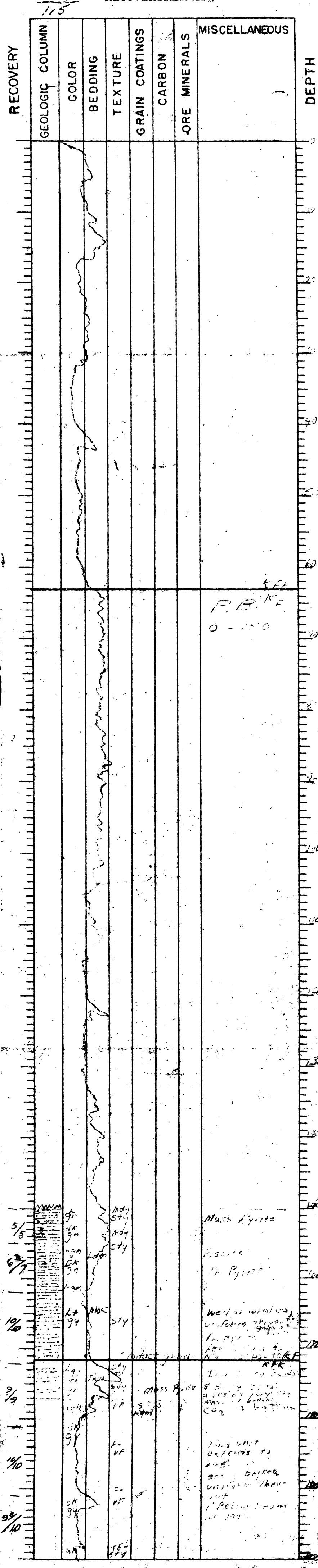
COLLAR ELEV. 4403.0' DEPTH 225

COORDINATES _____ _____

DATE COMPLETED [illegible]

LOGGED BY [illegible] DATE [illegible]

RECOVERY 80.8%



Collar
Collar
0
10
20
30
40
50
60
70
80
90
100
110
120
R.E.L.
K.F.

Collar — 0

10

Plug bit - 153

150

Started Coring

Kr (±9')

Km

160

Well indurated
Clean ... fm
This unit
extends to 180

170

180

Gy md sdstn
& pyrite

This is a very
feldspathic, highly
altered ... sandstone ... muddy in places ... is pyrite ...

190

200

Vy well ...

210

... clean ... & feldspar (cont)

220

Vy well saturated

230

240

250

260

270

280

E O H
283'

SHANNON OIL CO
605 MIDLAND SAVINGS BLDG
DENVER, COLO

Collar

0

10

20

30

40

50

60

70

80

90

100

110

120

130

140

P.B.
0-150

ORE ___
MIN. ___
BARREN ___

___ FAV.
___ UNFAV.

U.S.A.E.C.

1 of 2

HOLE NO. 732

PROJECT Cattle Project LA Thorn Ridge

LOCALITY Cattle, N.M. CLAIM _____

COLLAR ELEV. 4361.7 DEPTH 273'

COORDINATES _____ _____

DATE COMPLETED 11-23-54

LOGGED BY LMB DATE 11-24-54

RECOVERY 80.8%

RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								P.B. 0-150	0
									10
									20
									30
									40
									50
									60
									70
									80
									90
									100
									110
									120
									130
									140
									150
2/3								1 bd sty Muds & Mdy silts sdy in places Contact gradation	160
14/14								Kf	
								K1.k Few thin Mt St seams Few thin Mud Seams Otherwise quite Homogeneous	170
13								Few thin M seams easily broken friable	180
8/8								Cong unintegrated Reticulated sdy & Muddy seams	190
5/5								A masses of Pyrite X'stals	200
8/8									

ORE
MIN.
BARREN

U.S.A.E.C.

HOLE NO. 5251

PROJECT Carlile Project 1a, Texas Edge

LOCALITY Carlile Keys CLAIM Shannon

COLLAR ELEV. 4719.2 DEPTH 2.2

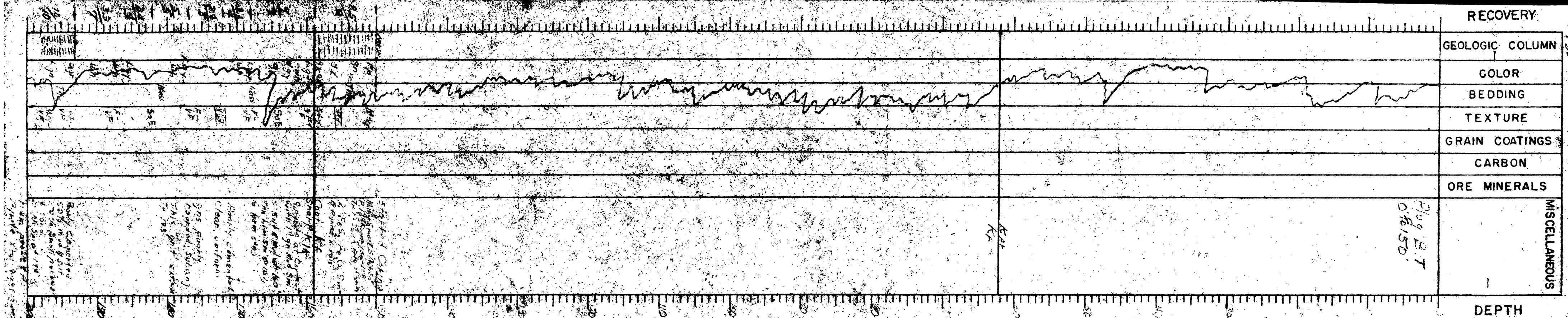
COORDINATES

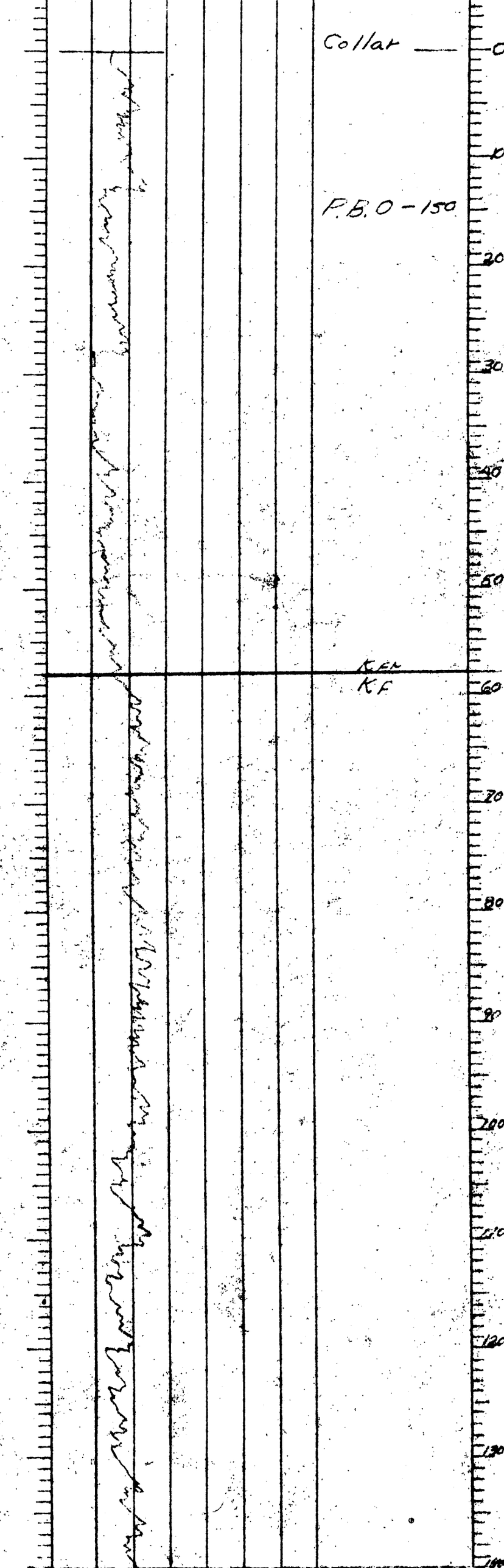
DATE COMPLETED 12-27-54

LOGGED BY LMB DATE 12-22-54

RECOVERY 72.0%

104.3
132




Collar
P.B. 0 - 150
KEL
KF
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140

RECOVERY	GEOLOGIC CO	COLOR	BEDDING	TEXTURE	GRAIN COAT	CARBO	ORE MINER		DEPTH
									140
								Started coming @ 150'	150
66/7		Lgy wh	Thk	VF				SoE. Clean, but w thin silt seams looks like a kix sand (shiny green)	
		gy gn	Thk	Mdy					
		bk		Mdy		A			
7/7		gy	Thk	sty					160
		Lgy gn		Mdy					
						Pyrite @ Contact		K.F. Contact Sharp	
9/9		Lgy		VF-sty		Tr		KIK	
		gy gn	Mass	VF-sty				S gn mud galls	170
9/9		gn	Thk	Mdy				Vy plastic	
				VF					
		gy	Thk	SoE				Mdy in places	180
		gy		sty f-vc		A			
6/9		gy gy gn	Mass	sdy sdy		sp		A pyrite xtals	
		gn		sdy				few small pebbles quite pebbly, w larger pebbles. 80% Sand, 70 Mud 4% shiny mud	190
2/4		Lgn		Mdy					
2/5		Lgn	Mass						
		gy gn wh		Mdy sty				A pyrite	200
3/5		dgn		sdy				60 sand/50 Mud	
3/9		bn gn	Thk	Mdy					
66/7		wh wh	Mass	VF-sty VF-sty				quite clean, except for some mud splits 5 pyrite xtals	210
7/7		gn gn	Mass	Mdy				bentonite at top	
6/6		gy gn						sp pyrite	220
2/2		Mass		Mdy					
86/11		dgy		VF				Vy brittle Mud	
		Lgy gy bk	Thk	Mdy Mdy				Silt vy hard A Pyrite	230
		dgy		Mdy					
		gy gn	Thk	Mdy				I bd Muds, Sands & Silts	
18/2		gn		Mdy		A			
4/4		Lgy	Thk	Mdy sty		A		A Mass. pyrite	240
29/3		Lgy bk brn	Lam	Mdy	c/s @ 237'				
6/6		gn	Lam	Mdy				A Mass pyrite	
		bk		sty					
1.5/6		gy		VF				A red, yw-gn stains at 247' in Sand	250
		gy		VF				Mdy.	
1/7		gy		C				Probably a well sorted sandstone	
				C					260
		gy		C				m-lg, ang pebbly	
		bk		Mdy				K Molasses Bot. Lime here	
		gn gn	Mass					A Pyrite Vy brittle mud	270
								E.O.H. 272	

SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.

ORE ____ FAV.
MIN. ____ UNFAV.
BARREN ✓

U.S.A.E.C. 1062

HOLE NO. TC-253

PROJECT Carlile Project #1, Chain Ridge

LOCALITY Carlile Wyo CLAIM _____

COLLAR ELEV. 4345.3 DEPTH 284

COORDINATES _____

DATE COMPLETED 12-6-54

LOGGED BY LMB DATE 12-11-54

108.7 / 134 RECOVERY 79 %

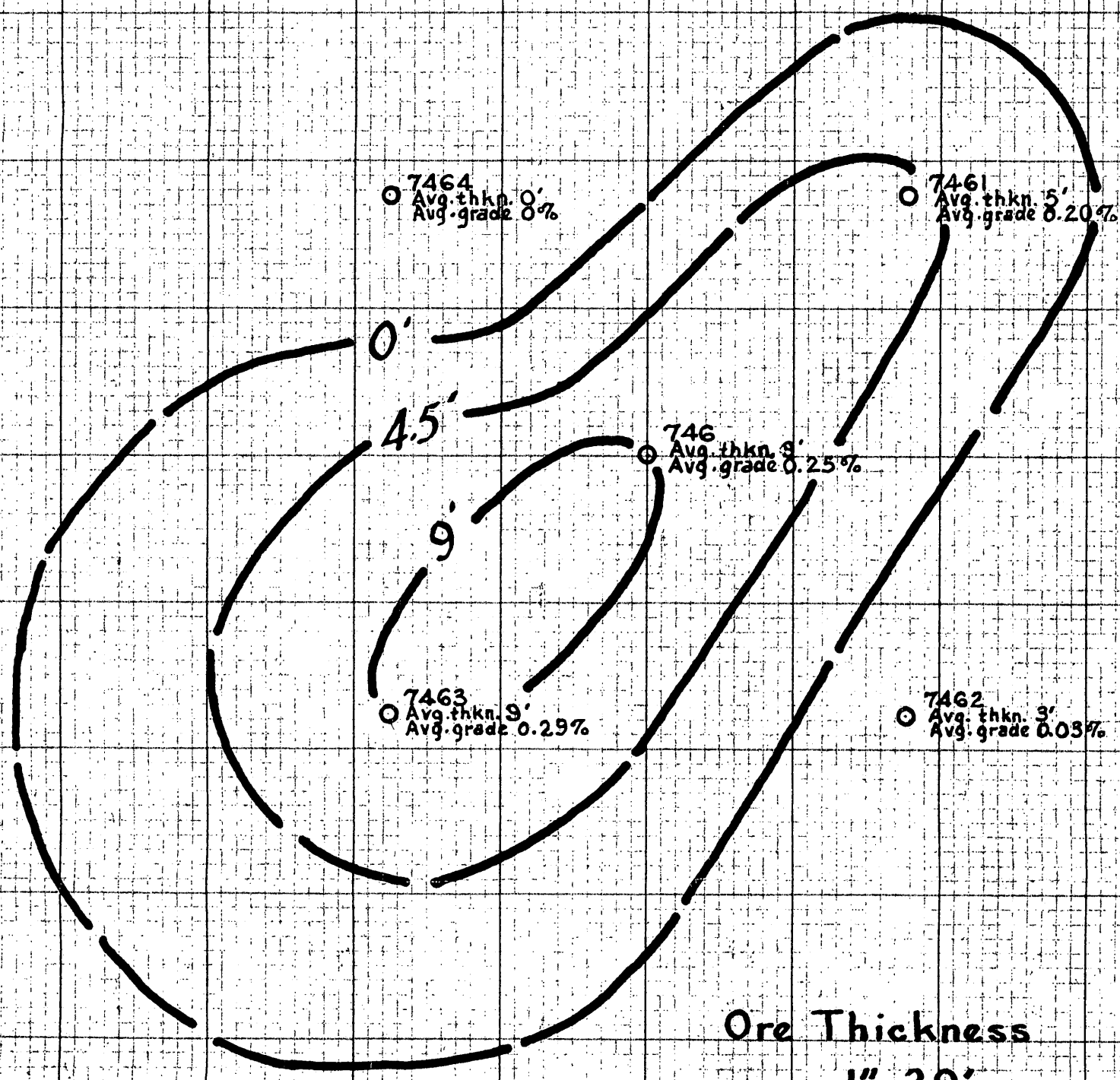
RECOVERY	GEOLOGIC COLUMN	COLOR	BEDDING	TEXTURE	GRAIN COATINGS	CARBON	ORE MINERALS	MISCELLANEOUS	DEPTH
								plug hit 0-150	0
									10
									20
									30
									40
									50
									60
									70
									80
									90
									100
									110
									120
									130
									140
									150
									160
									170
									180
									190
									200
									210
									220
									230
									240
									250
									260
									270
									280

READ % U_3O_8 DIRECT

SCALE .025

RECEIVED
FEB 15 1956

Operator's MF 104
Oct. 18 to Nov. 25,
1955



Ore Thickness
1" = 20'

Operator's MF-104
Oct. 18 - ~~March~~ 25, 1955

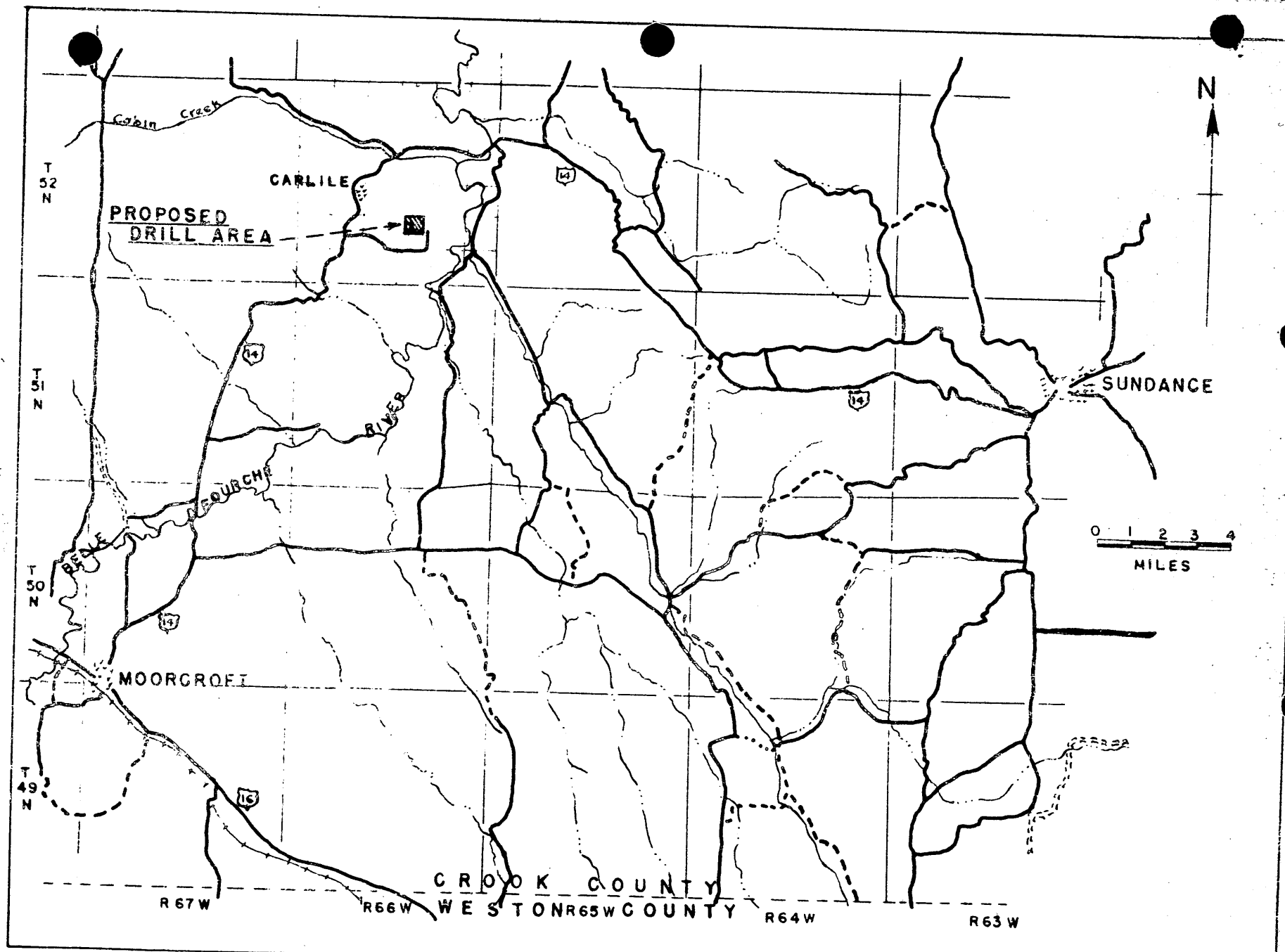


FIG. I LOCATION MAP, LAYMON PROPERTY,
SHANNON OIL COMPANY, CROOK COUNTY, WYOMING. (DMEA 3762)

Recd w/ ON-SITE EXAM

FT memo of 7-22-55

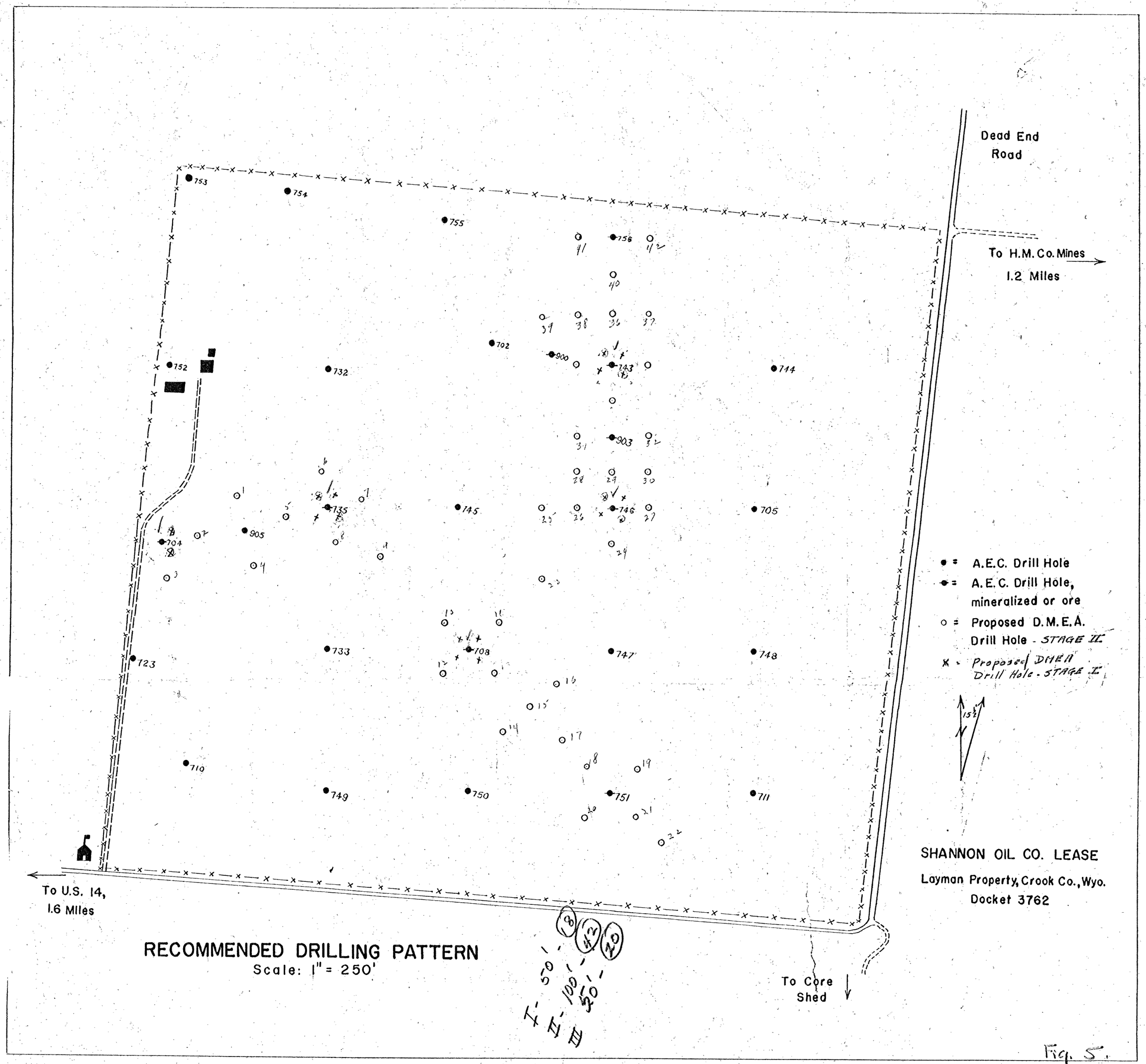
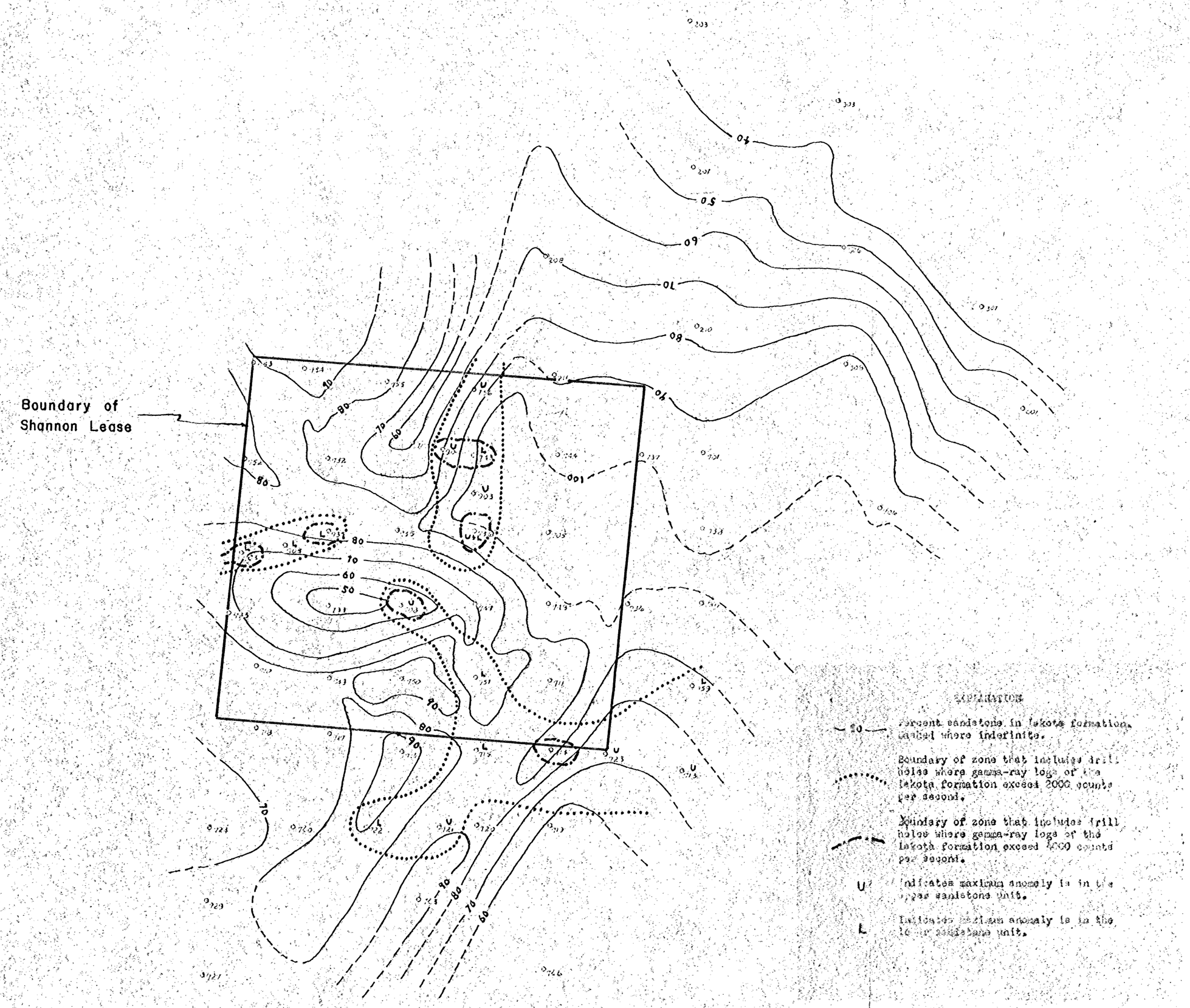

Dead End Road
To H.M. Co. Mines
1.2 Miles
To U.S. 14,
1.6 Miles
To Core Shed
● = A.E.C. Drill Hole
● = A.E.C. Drill Hole, mineralized or ore
○ = Proposed D.M.E.A. Drill Hole - STAGE III
X = Proposed DMEA Drill Hole - STAGE I
SHANNON OIL CO. LEASE
Layman Property, Crook Co., Wyo.
Docket 3762
RECOMMENDED DRILLING PATTERN
Scale: 1" = 250'
I - 50'
II - 100'
III 50'

Fig. 5.



SUBSURFACE ANOMALOUS RADIOACTIVITY AND ISOLITHS OF SANDSTONE IN LAKOTA FORMATION

DRILL HOLE LOCATIONS
CARLILE, WYOMING, (Thorn Ridge)
Crook County, T 52 N, R 66 W.
Sections 22, 23, 26, 27, 28, and 31

0 250' 500' 1000' 1:6000

Source: Unpublished A.E.C. reports

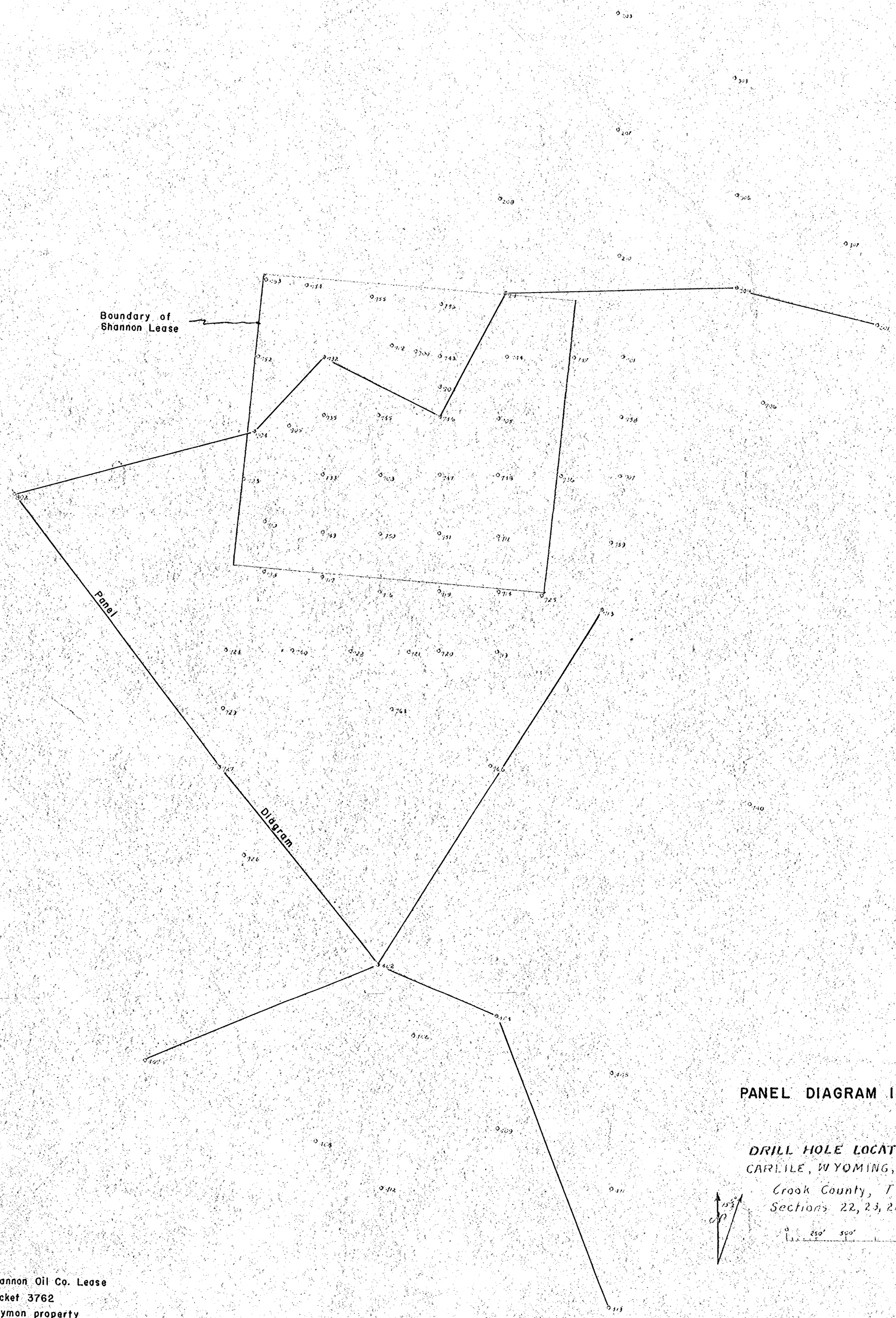
LAG, GIH, LMB | PROJECT AT(30-1) 1609 | 2-9-55

Shannon Oil Co. Lease
Docket 3762
Laymon property

Fig. 4

Shannon Oil Co
Docket 3762
Figure 4

RECEIVED
JUL 25 1955



PANEL DIAGRAM INDEX

DRILL HOLE LOCATIONS
CARLILE, WYOMING, (Thorn Ridge)
Crook County, T 52 N, R 66 W.
Sections 22, 23, 26, 27, 28, and 34

0 250' 500' 1000' 1:6000

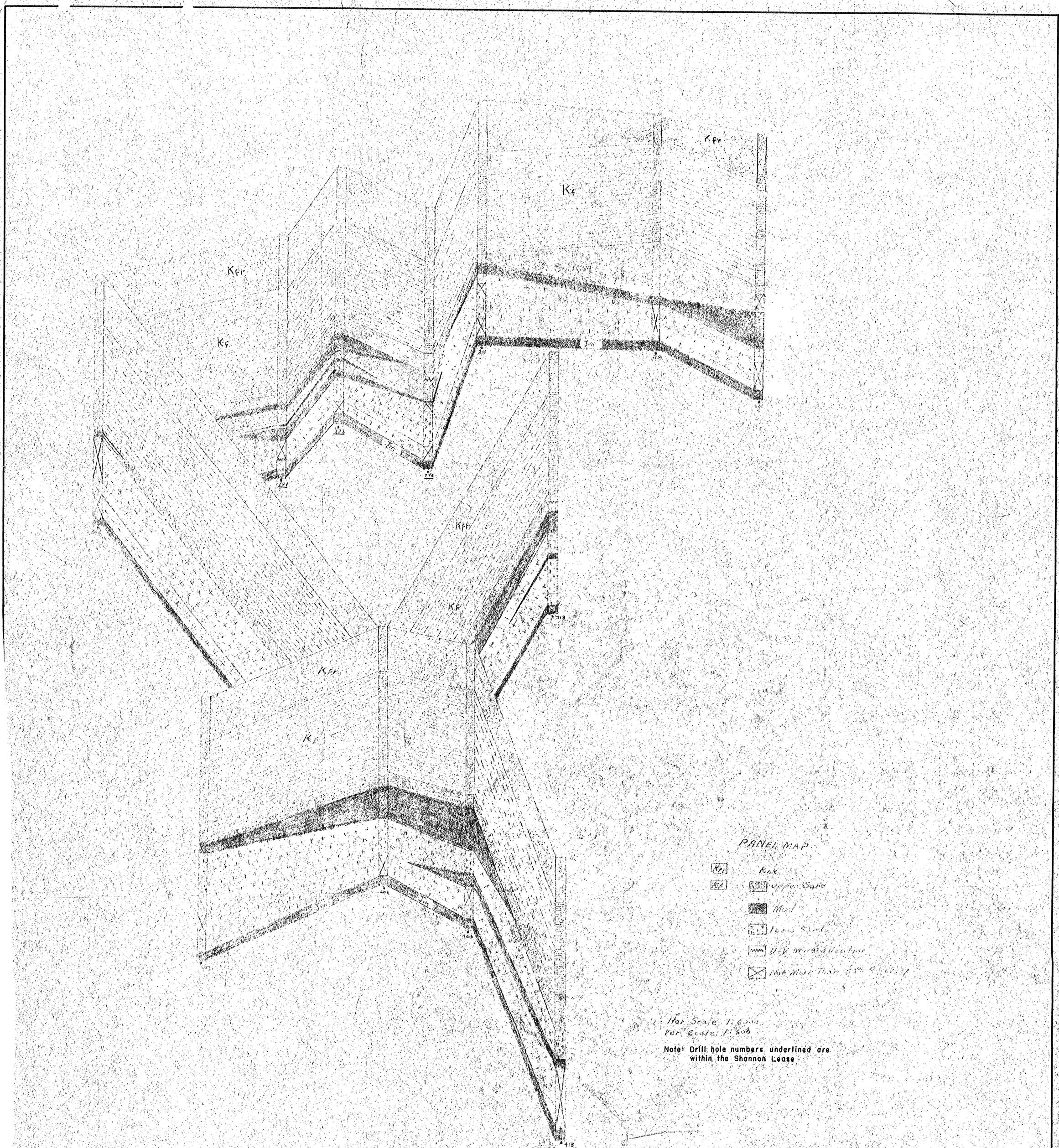
LAG, GIII, LMB | PROJECT: AT (30-1) 1609 | 2-9-55

SHANNON OIL CO.
DOCKET 3762.

FIGURE 3

Shannon Oil Co. Lease
Docket 3762
Laymon property

Fig 3

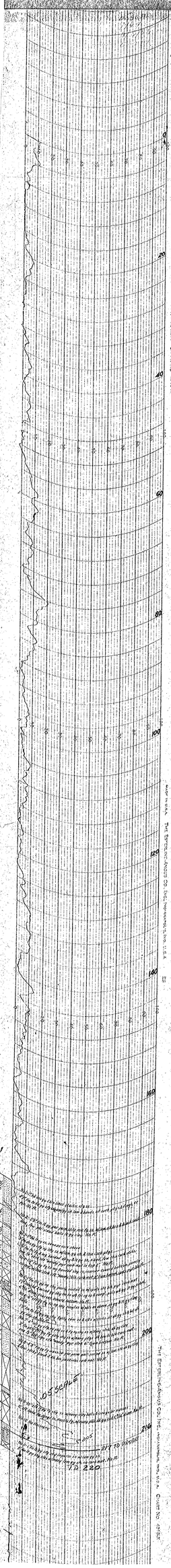


Shannon Oil Co. Lease
Docket 3762
Laymon property

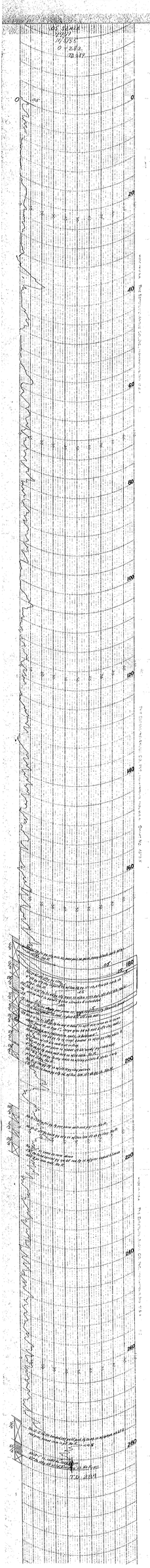
Fig 2

Source: Unpublished A.E.C. reports

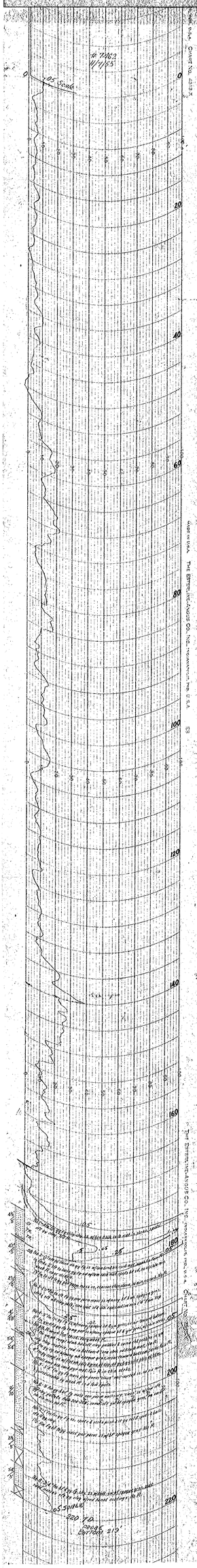
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7464
SCALE: .05
TOTAL DEPTH: 220'
DATE: 11-5-55
ELEVATION: 4392.2



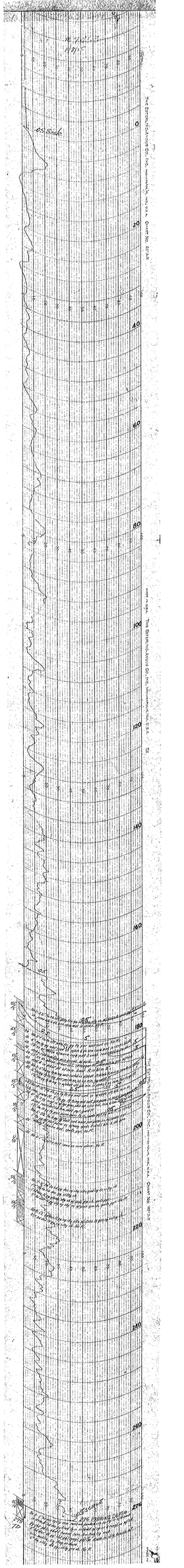
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7461
SCALE: .05, .25, .5, 2.5
TOTAL DEPTH: 284'
DATE: 11-5-55
ELEVATION: 4393.7



SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7462
SCALE: .05, .25, .5
TOTAL DEPTH: 220'
DATE: 11-7-55
ELEVATION: 4394.95

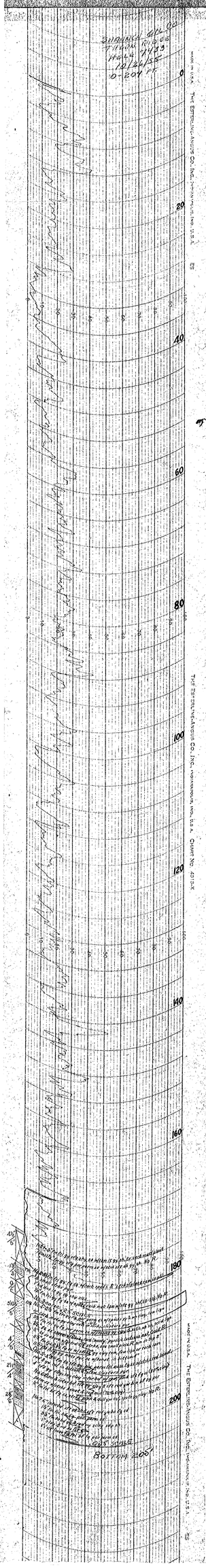


SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7463
SCALE: .05, .5, 2.5
TOTAL DEPTH: 279'
DATE: 11-8-55
ELEVATION: 4393.0

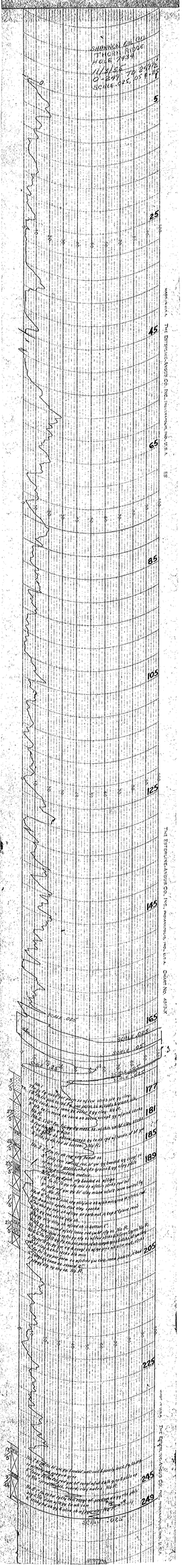


SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7432
SCALE: 4(A.E.C.)
TOTAL DEPTH: 264'
DATE: 10-24-55
ELEVATION: 4382.5

SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7433
SCALE: .025, .25
TOTAL DEPTH: 205'
DATE: 10-26-55
ELEVATION: 4381.3



SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7434
SCALE: .025, .05, .25
TOTAL DEPTH: 249½'
DATE: 11-3-55
ELEVATION: 4378.0



SHANNON OIL COMPANY

LAYMON LEASE, CROOK CO., WYO.

DMEA DOCKET 3762 (URANIUM)

CONTRACT IDM-E870

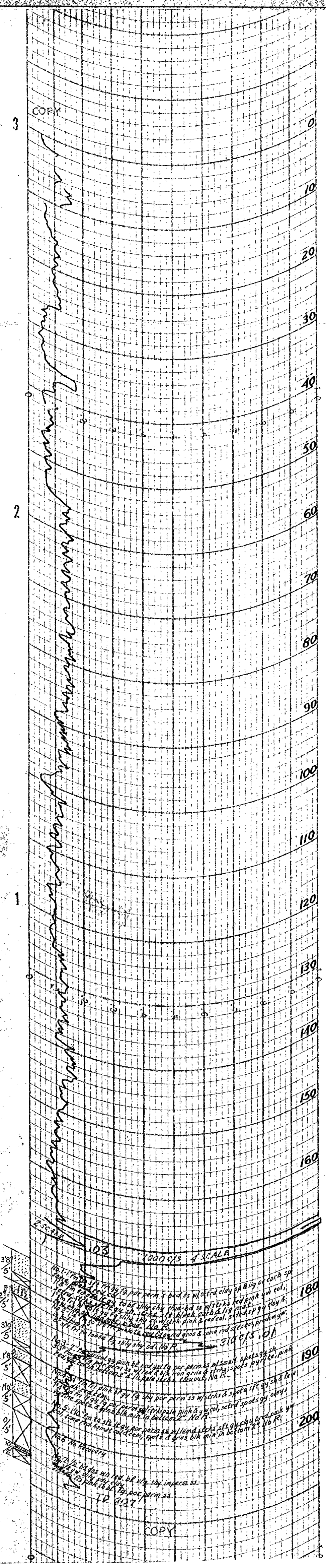
HOLE NO.: 7431

SCALE: 4&2(A.E.C.)

TOTAL DEPTH: 207'

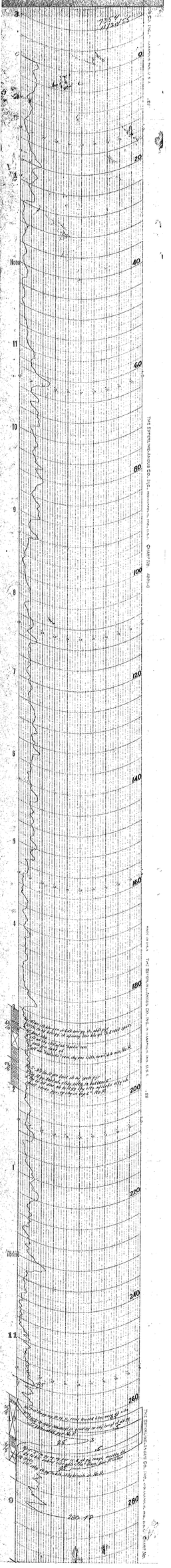
DATE: 11-1-55

ELEVATION: 4377.75

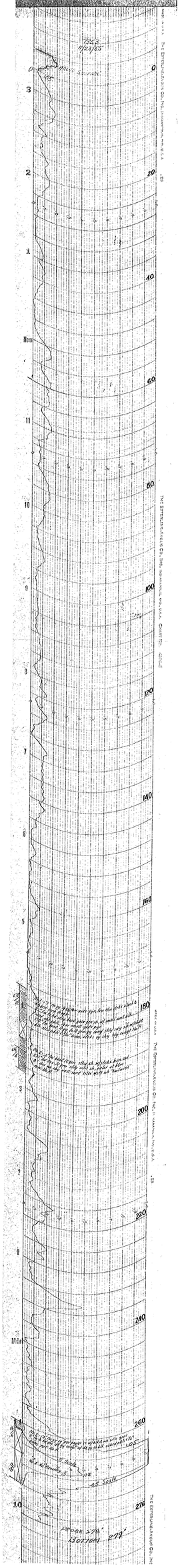


MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS IND. U.S.A.

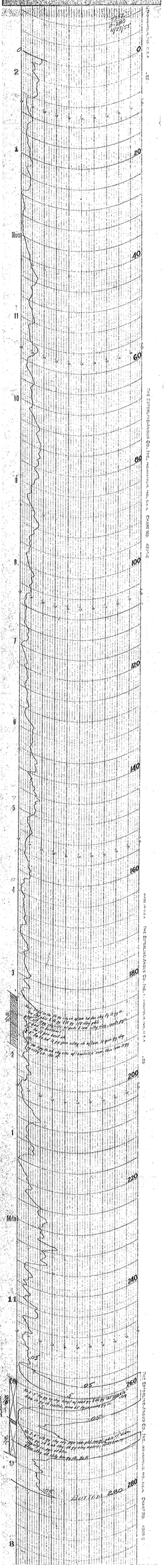
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7354
SCALE: .05, 5, 2.5
TOTAL DEPTH: 280'
DATE: 11-20-55
ELEVATION: 4368.6



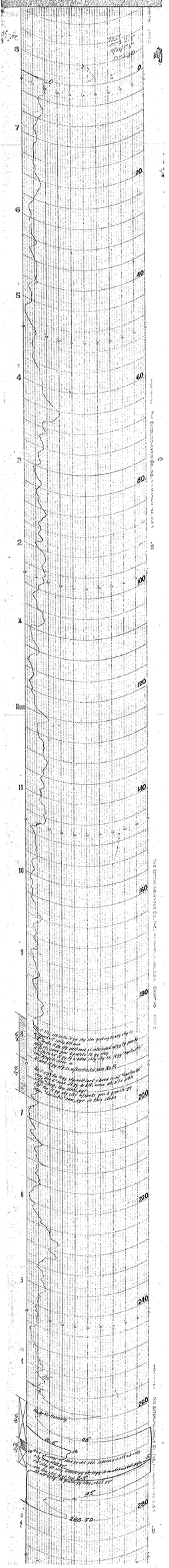
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT: IDM-E870
HOLE NO.: 7353
SCALE: .05/.5
TOTAL DEPTH: 279'
DATE: 11-23-55
ELEVATION: 4367.6



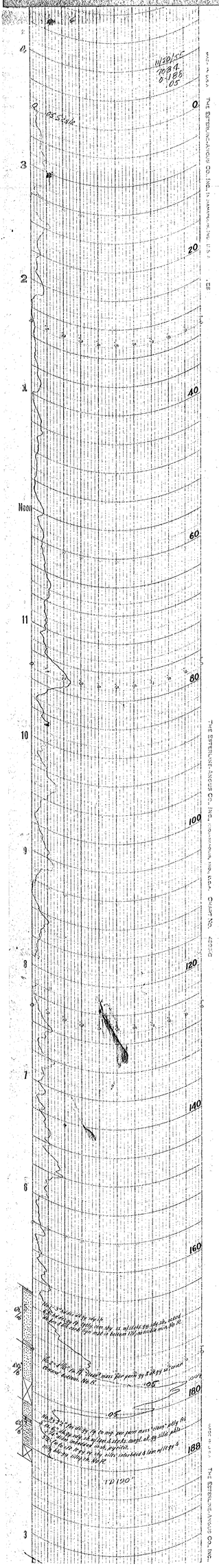
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7352
SCALE: .05..5
TOTAL DEPTH: 280'
DATE: 11-23-55
ELEVATION: 4370.4



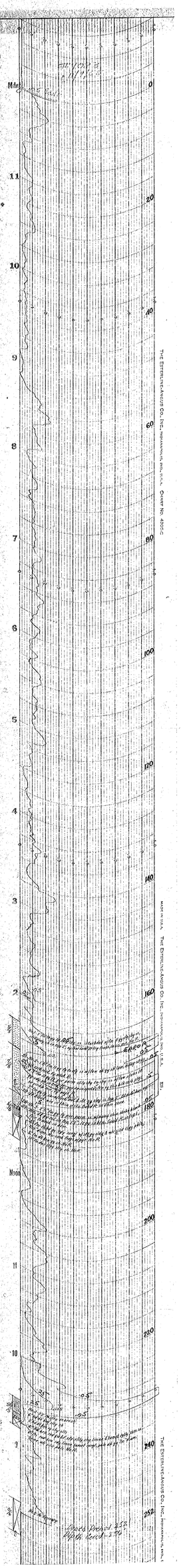
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7351
SCALE: 05, 2.5
TOTAL DEPTH: 280'
DATE: 11-21-55
ELEVATION: 4370.9



SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7084
SCALE: .05
TOTAL DEPTH: 190
DATE: 11-20-55
ELEVATION: 4380.8

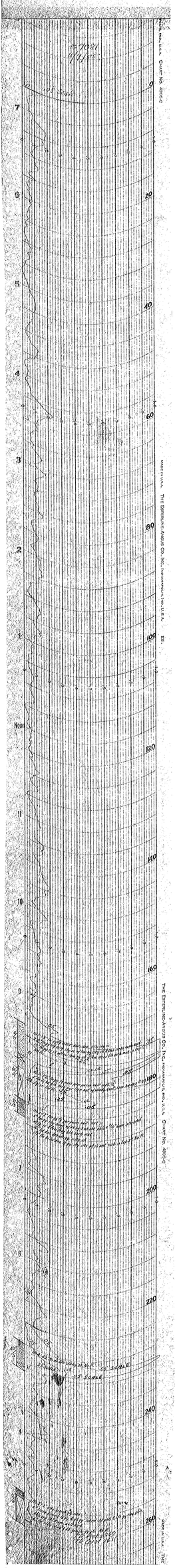


SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7083
SCALE: .05, .25, .5, 2.5
TOTAL DEPTH: 256'
DATE: 11-9-55
ELEVATION: 4378.9

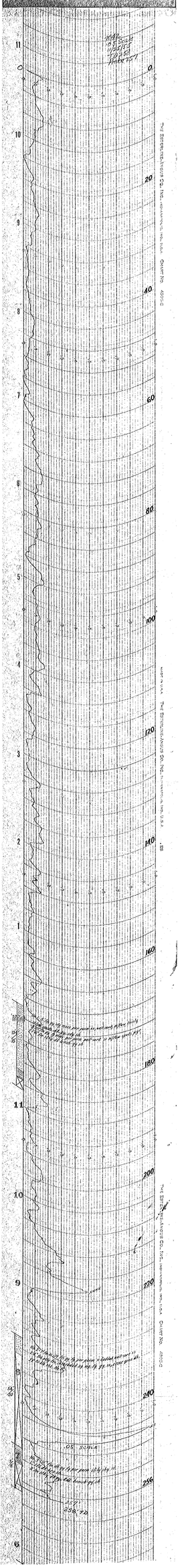


SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7082
SCALE: .05, .25, .5
TOTAL DEPTH: 190'
DATE: 11-8-55
ELEVATION: 4381.5

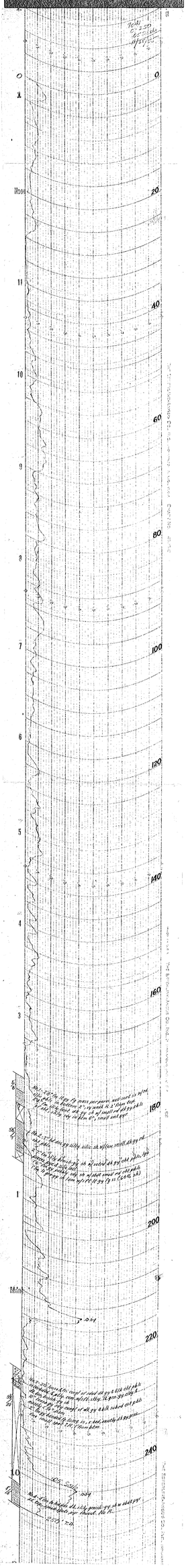
SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7081
SCALE: .05, .25, .5
TOTAL DEPTH: 261'
DATE: 11-9-55
ELEVATION: 4383.8

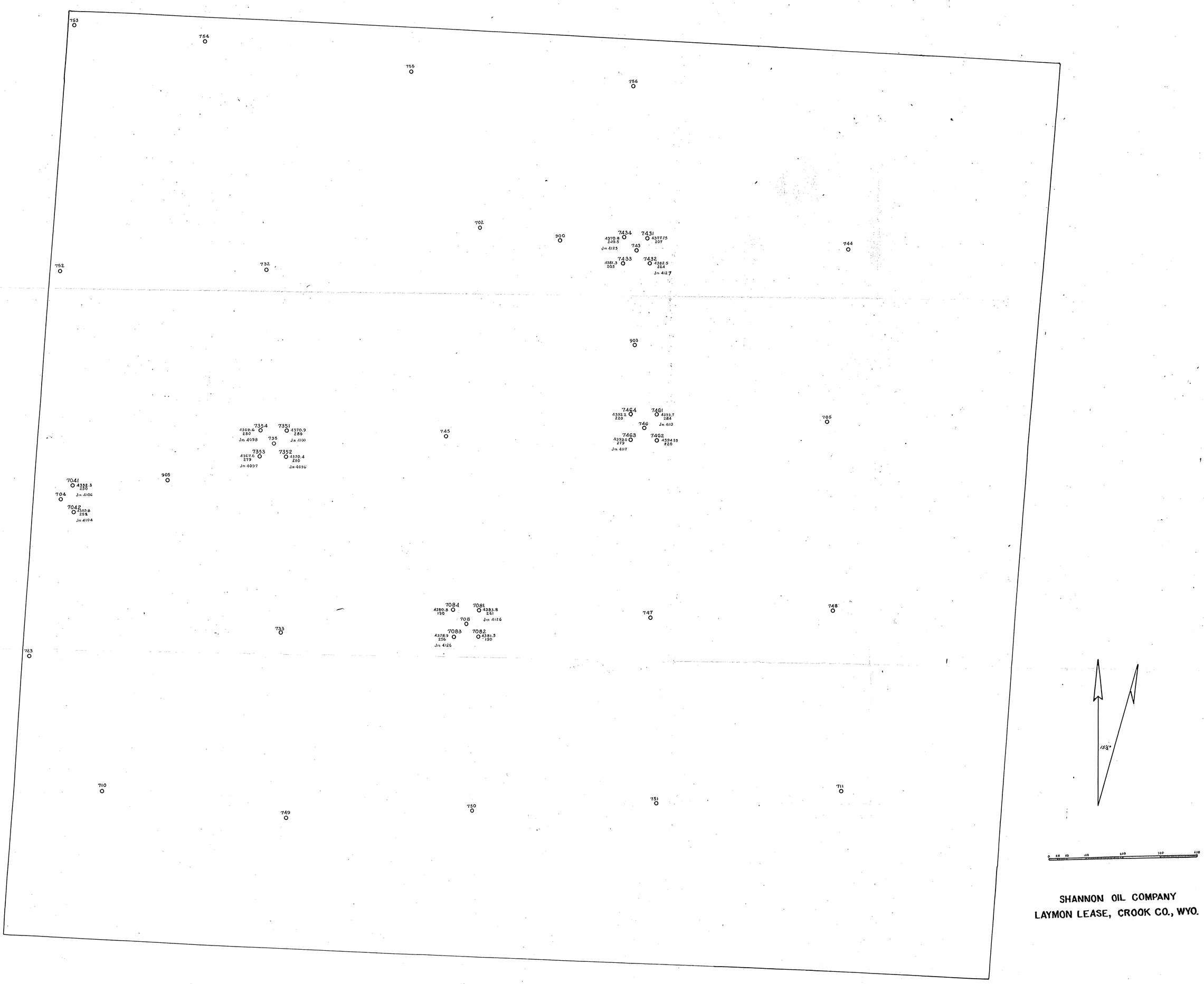


SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7042
SCALE: .05
TOTAL DEPTH: 258
DATE: 11-25-55
ELEVATION: 4355.8



SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.
DMEA DOCKET 3762 (URANIUM)
CONTRACT IDM-E870
HOLE NO.: 7041
SCALE: .05
TOTAL DEPTH: 250'
DATE: 11-25-55
ELEVATION: 4352.3





SHANNON OIL COMPANY
LAYMON LEASE, CROOK CO., WYO.

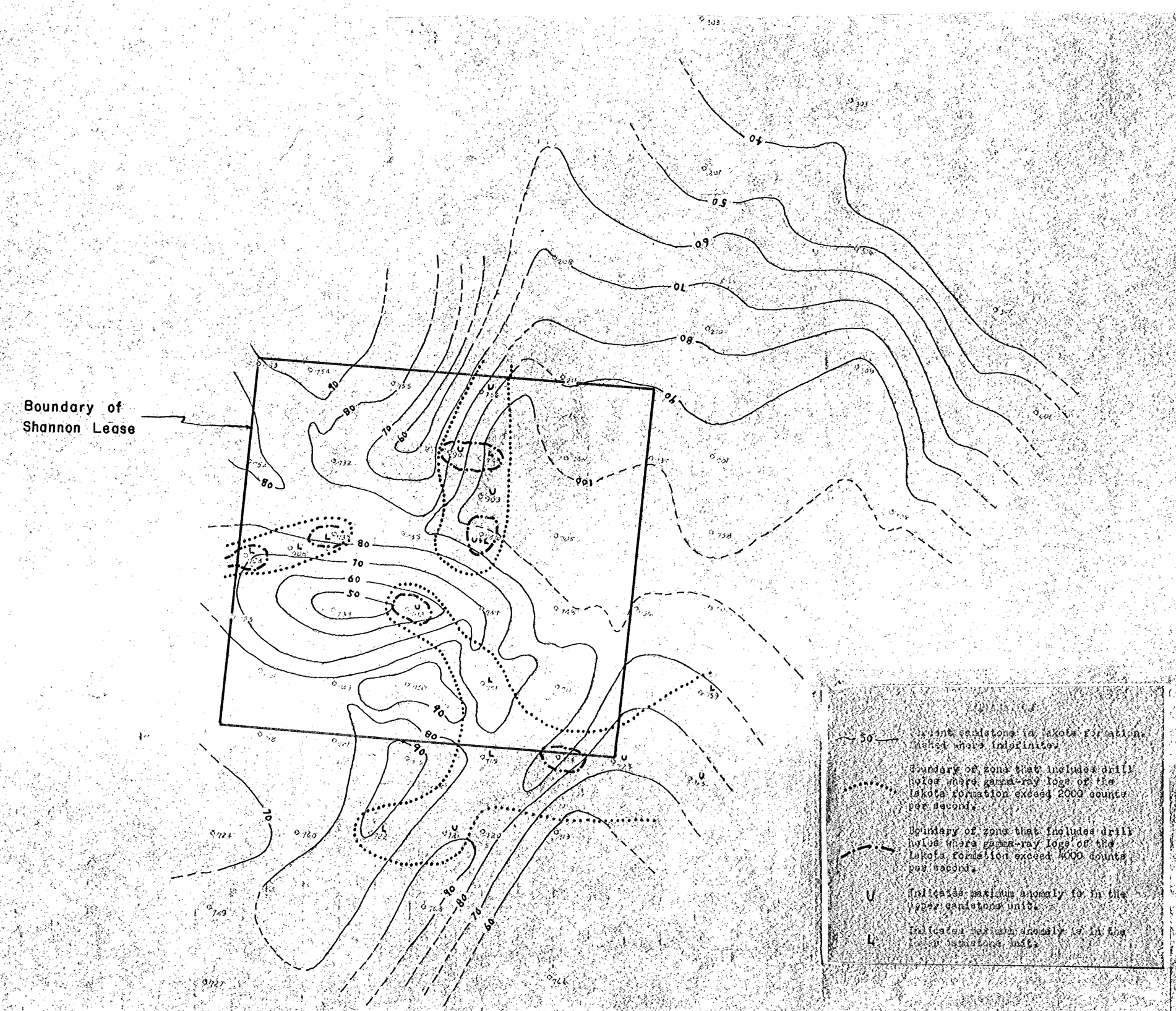


FIGURE 5

SUBSURFACE ANOMALOUS RADIOACTIVITY

AND

ISOLITHS OF SANDSTONE IN LAKOTA FORMATION

DRILL HOLE LOCATIONS

CARLILE, WYOMING, (Moon Ridge)

Crook County, T 52 N, R 66 W

Sections 22, 23, 26, 27, 28, and 33

Shannon Oil Co. Lease

Docket 3762, Contract Idm-5870

Laymon property

Source: Unpublished A.E.C. reports

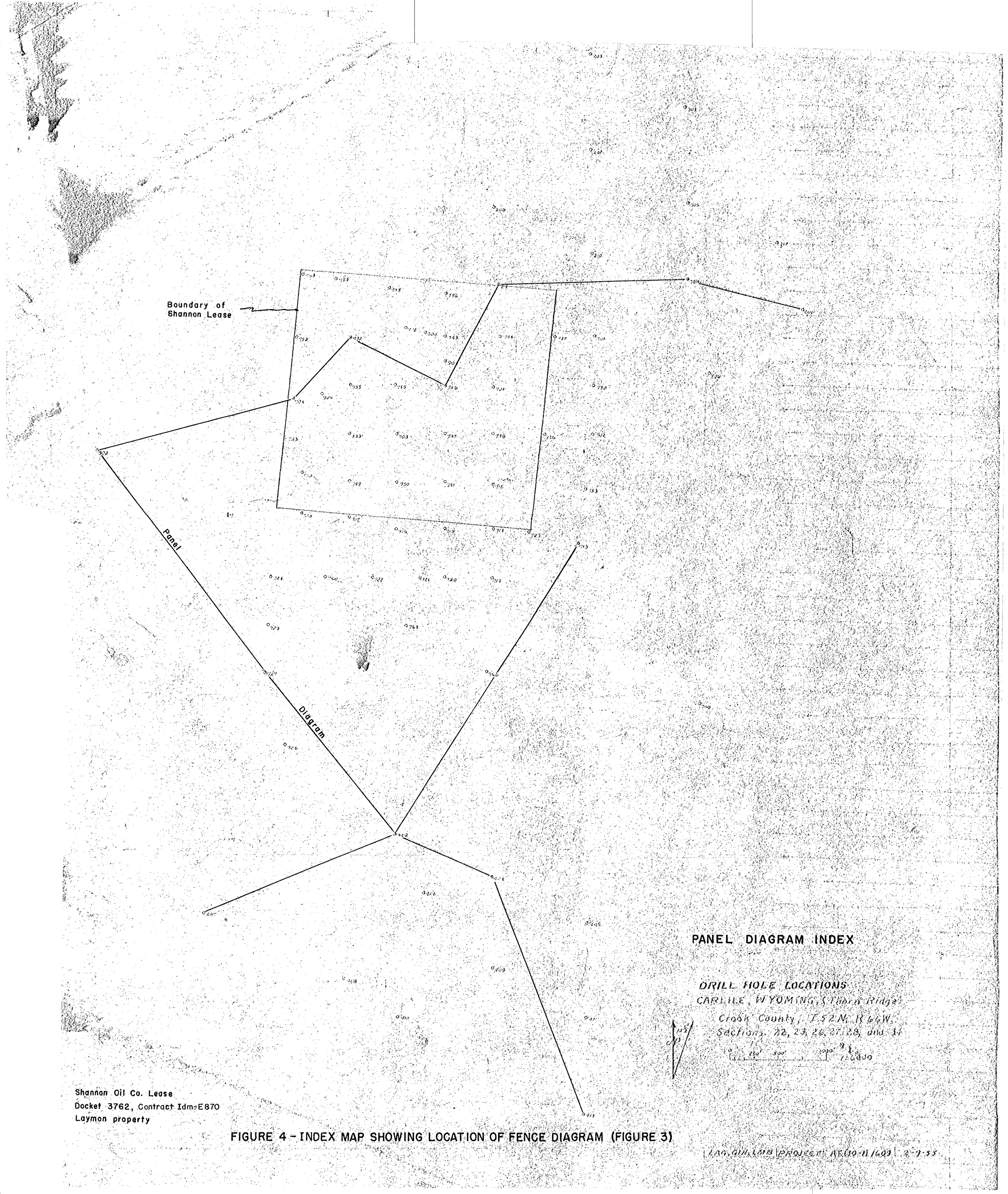
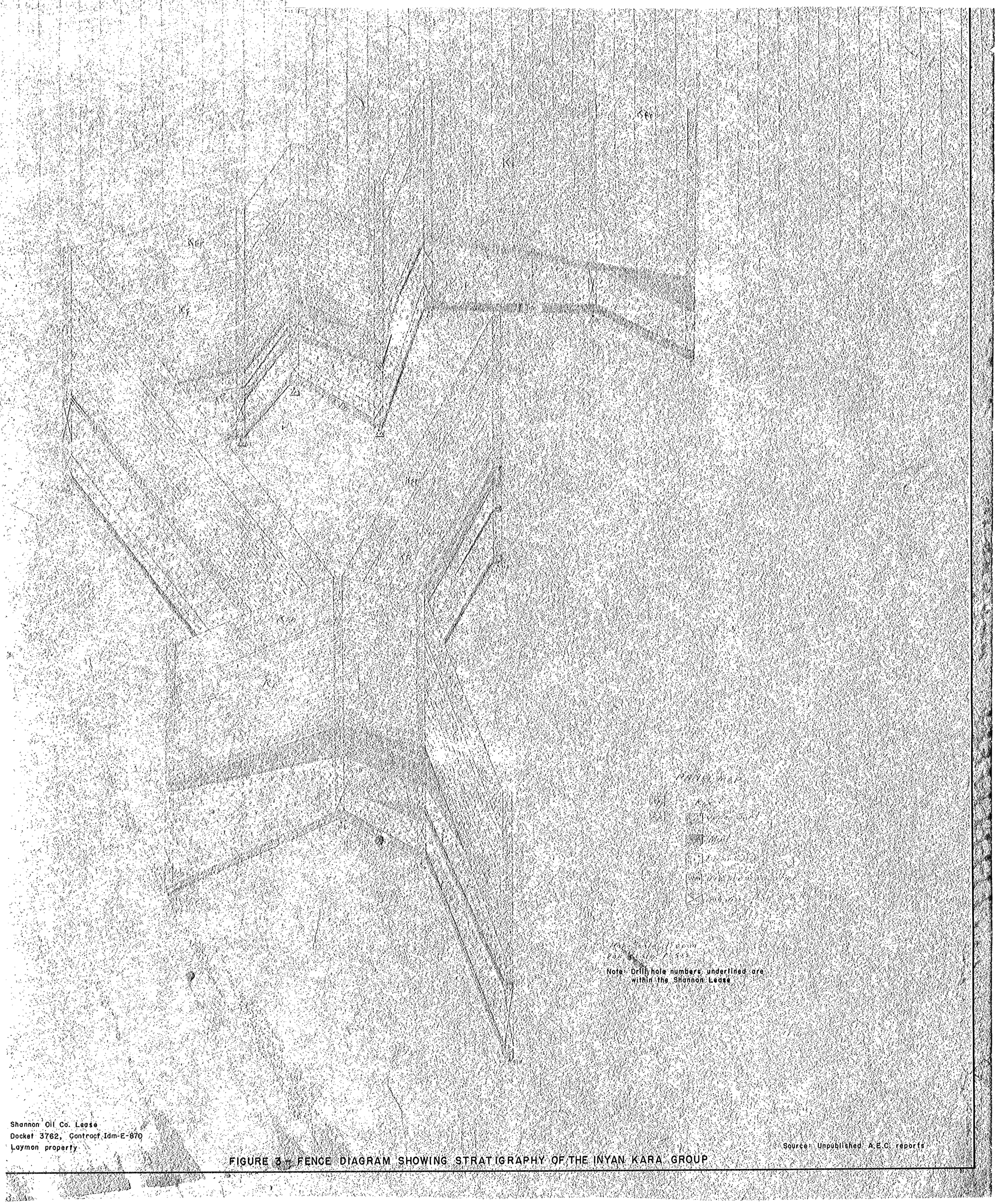


FIGURE 4 - INDEX MAP SHOWING LOCATION OF FENCE DIAGRAM (FIGURE 3)



Shannon Oil Co. Lease
Docket 3762, Contract Idm-E-870
Laymon property

Source: Unpublished A.E.C. reports

FIGURE 3 - FENCE DIAGRAM SHOWING STRATIGRAPHY OF THE INYAN KARA GROUP

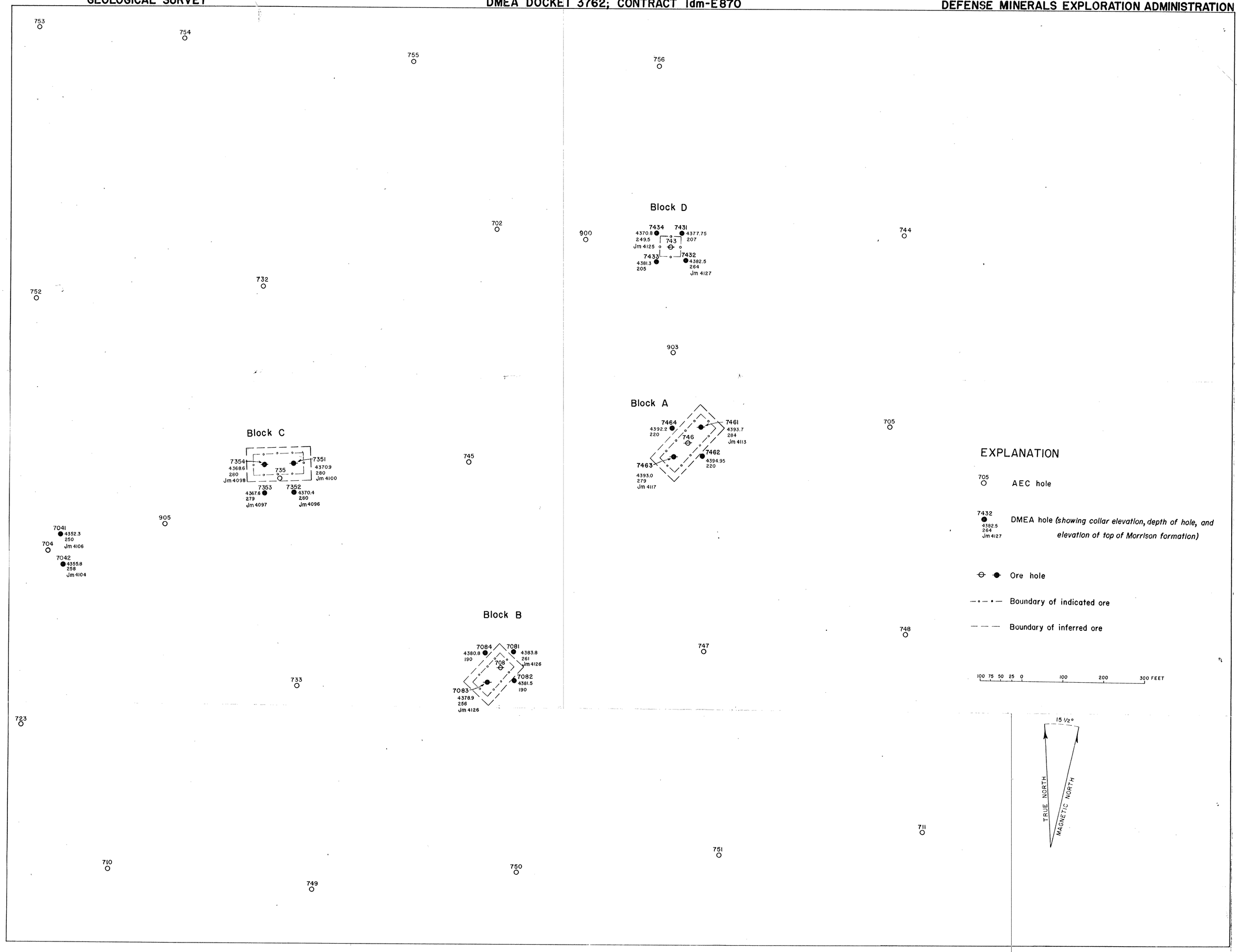
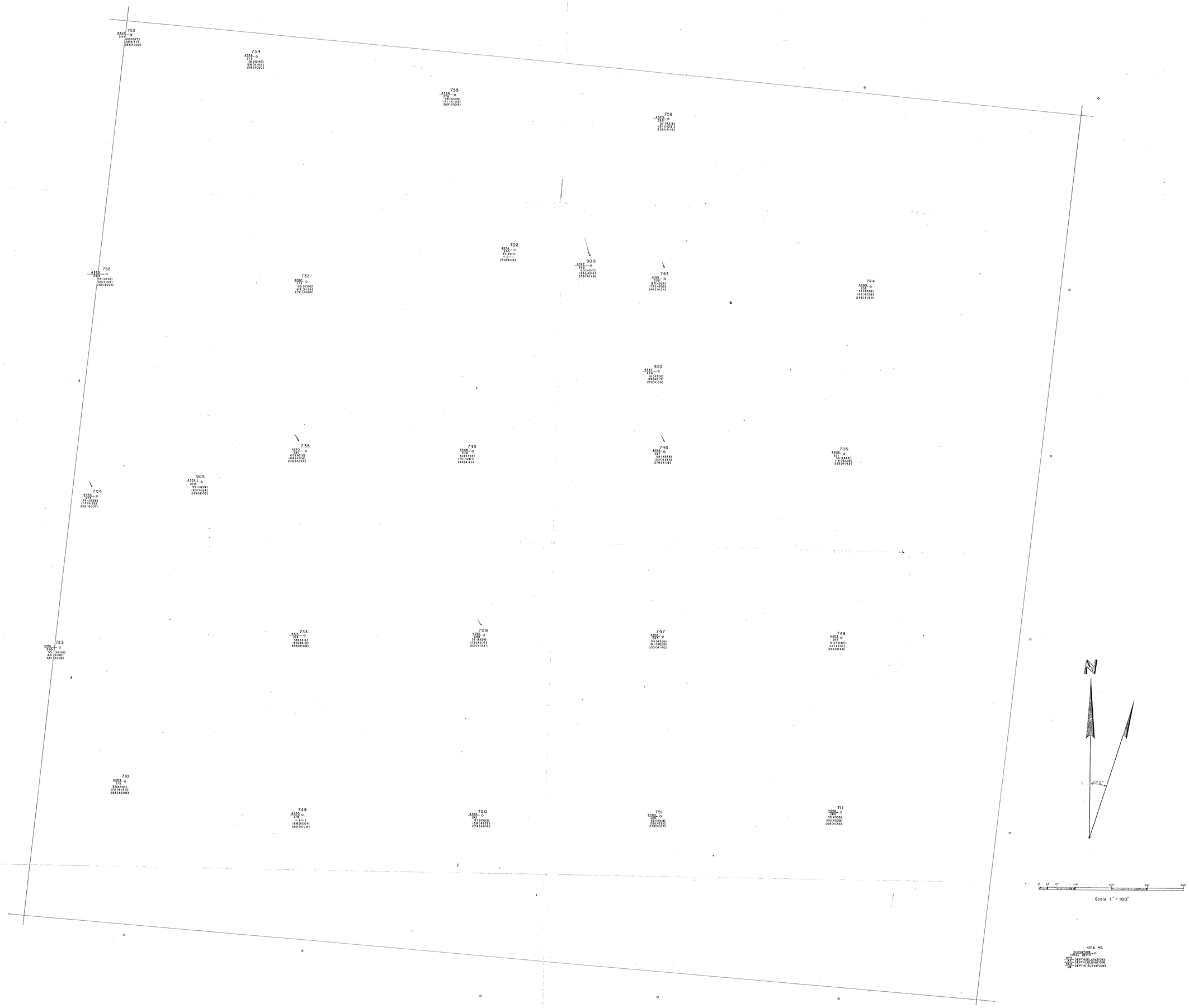


FIGURE 2

LOCATION OF DRILL HOLES AND ORE BLOCKS
SHANNON OIL COMPANY, LAYMON PROPERTY, CROOK COUNTY, WYOMING



Sec. 27. T.52 N. R.66 W.

LAYMAN CLAIM

CROOK COUNTY, WYO.

SUPPORTING
PARAGRAPH 4. (c)
INSTRUCTIONS

SHANNON OIL CO.
603 MIDLAND SAVINGS BLDG.
DENVER 2, COLO.