Permit #20186

602912
Dupl.

GOODWELL, INC. — **MINERAL LOG**
UPTON WYOMING

FIELD PRINT

COMPANY AMOCO PRODUCTION COMPANY
WELL # A-16, DRILLHOLE
FIELD NEVADA
COUNTY VERNON STATE MISSOURI
Location 25' S + 25' W OF NE CORNER OF
Sec. 14 Twp. 35N Rge. 31 W

Other Services:
[redacted]

JAN 31 1977
MO. OIL & GAS COUNCIL

Permanent Data: GROUND LEVEL Elev. 8899 FT.
Log Measured From
Drilling Measured From
Ft. Above Perm. Datum
Elev.: K.B.
D.F.
G.L.

Date	9 AUG 76	a/z counts/in	100 Counts = 1"
Run No.	ONE	# 1 Repeat	
Depth-Driller	166	# 2 Repeat	
Depth-Logger	166	Tool Type	G-R Scint. DEN GEIGER
Btm. Log Inter.	166	Tool Ser. #	GOI # 003
Top Log Inter.	0	K Factor	
Fluid Level	10	Unit dead time	5 ms
Time Since circ.	1 hour	Water Factor	
Bit Size	4 3/4"	Other Factor	
Type Fluid in Hole	MUD	Tool Factor	1.38
Driller's Name		Disequilibrium ratio N = x/1-x	
Logging No.	716		
Recorded by	K. Goodwell	Crystal Size	3"x1"
Witnessed by		Time Constant	G-R. 3 DEN. 3
Logging Speed	15 F.P.M.		

Field Interp. | Oil, Gas, Wtr. Indic. | Lower Boundary, Ft. | Upper Boundary, Ft. | Thickness, Ft. | Ave. Por. | Cementing Factor | Corrected Appr. Por. | Ft. Indep. Poro. | Ex. Indep. Perm. | Ave. Por. | Ave. Por. | Ave. Por. | Ave. Por. | Ave. Por. | K Factor | Oil % Wt. | Avrage Grade % Wt. Oil | Gr. % Bitumiferous material | Cor. Oil Thickness, Grade % Wt. Oil | Remarks

DEPTH SCALE 1/100

RESISTIVITY ohms m²/m

SPONTANEOUS POTENTIAL millivolts

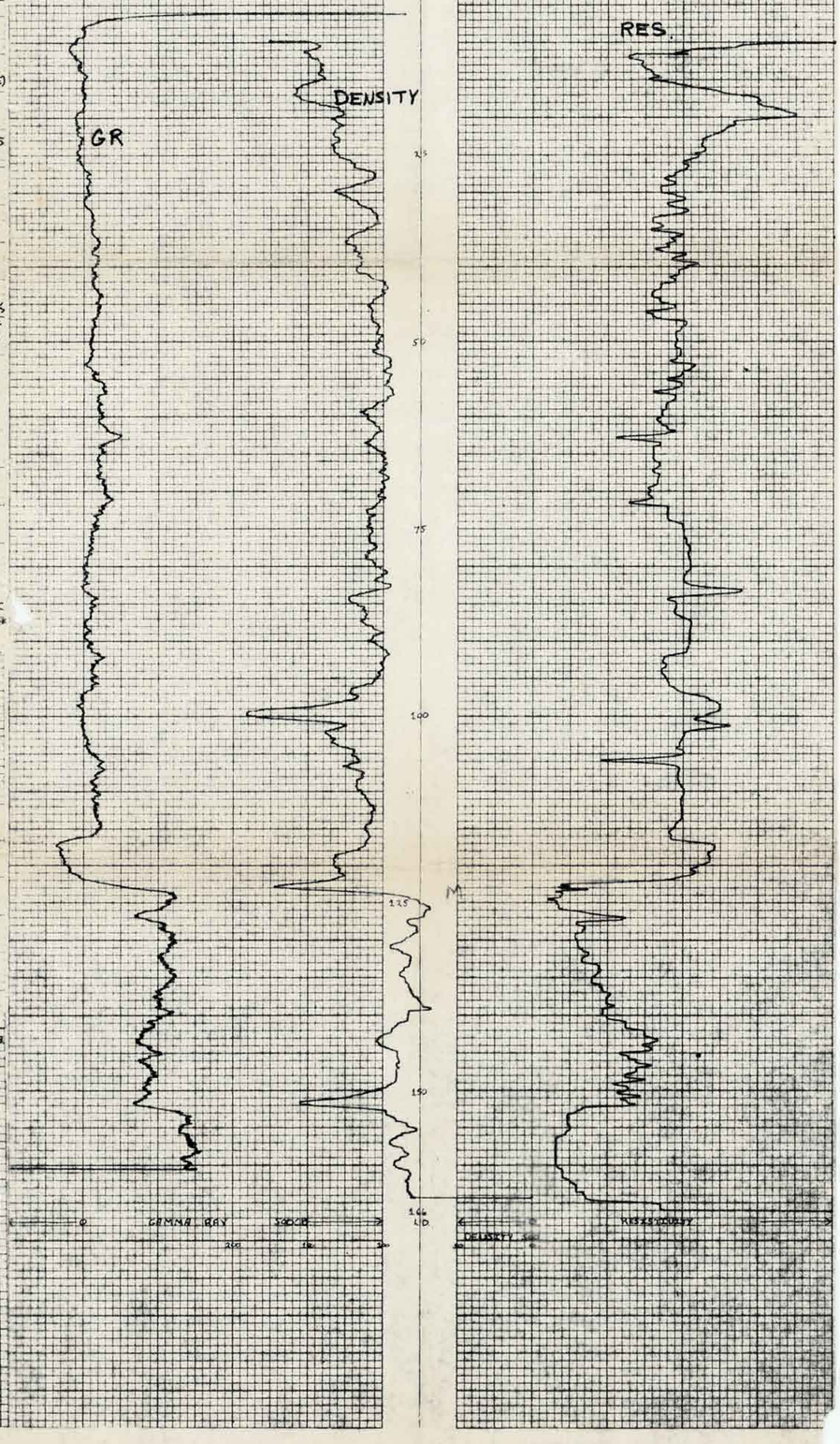
GAMMA-RAY Counts/Seconds

STATE	MISSOURI
COUNTY	VERNON
BLOCK	
SEC.	14
TWP.	35N
RGE.	31W
ELEVATION PRODUCTION	8899 FT.
COMPANY	AMOCO RES.
WELL NO.	DRILLHOLE A-16
SURVEY	
TOTAL DEPTH	167
CONTRACTOR	PARTY 45
COMMENCED	AUG. 9, 1976
COMPLETED	AUG. 9, 1976
REMARKS	SMPL. DESCRPTN.
	W.S. SPAULDING

CASING RECORD

SHOT | QUARTS | BETWEEN

TIME RATE SCALE 1/10" = MINUTES
Airdrill 414-H PRINTED IN U.S.A.
TIME RATE 1/10" SQUARES

0 SS-RD-BRN, OXID, VF-F TITE, MICAC, FRIABLE TO CONSOLID.
10 A/A - SCUM @ 11-12' LESS FRIABLE (HEMTITE)
20 A/A - DK. BROWN, LESS FRIABLE
30 A/A
40 SS - BECOMING GRY. W/ WEAK SALT & PEPPER LOOK, VF-F, TITE TO FRIABLE MICAC., SCAT. BITUMEN SHOW W/CARB. MAT.
50 A/A
60 A/A
70 A/A
80 A/A - SOME F-M SD. MORE FRIABLE, LESS MICAC BETTER SALT & PEPPER LOOK PYR
90 A/A
100 A/A
110 A/A - VISCOUS TAR STUCK TO TWEEZER
120 SS - WHITE, VF-F, PYR W/SH STRKS., LT. GRY.
130 SH - LT.-DK. GRY W/ SDY. LM. OR LMY. SD.
140 SH - DK. GRY, MICAC, CARB W/THIN STRINGERS GRY. MICAC. SILT.
150 SH & SLT A/A W/PYR, SOME VF SD
160 SH & SLT GOING INTO SHARP WHITE, PINK & BRN CHERT AT 165'
167

VISUAL EST. OF STAINING