

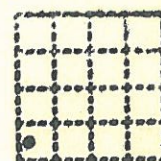
54993

SKELLY OIL CO.
E.H.Helmke No. 1.

SEC.1 T.27 R.13W
CW $\frac{1}{2}$ SW SW
330' fr WL 660' fr SL SW $\frac{1}{4}$

Total Depth. 4367' PB 4356'
Comm. 10-23-40 Comp. 12-28-40
Shot or Treated.
Contractor. Ruso Drlg.Co.
Issued. 3-29-41

County. Pratt



CASING:
10 $\frac{3}{4}$ " 398' Cem.
7" 4254' Cem.
4 $\frac{1}{2}$ " 4355' Cem.

Rotary O-4256
Cable 4256-4367

Elevation.

Production. Pot.1572 B.

Figures Indicate Bottom of Formations.

surface soil & sand	160	no log, slight increase in
shale & shells	398	oil-gas gauged 16,272 M. 4268
red bed	695	dolomite gy sdy, slight
anhydrite	725	porosity & little stain 4273
shale	755	sand gy w/50% shale 4275
shale & salt	875	sand gy w/40% dk gy
shale & red bed	1170	pyritic dolomite, porous &
shale & shells	1320	oil stained (hrd) 4278
shale	1705	sand gy & brown w/30% shale,
lime	1730	little por. & saturation 4281
shale sticky	1755	sand gy w/trace of dolomite,
lime	2010	slight porosity & stained
shale	2140	(hrd) 4288
lime	2175	sand coarse gy, slight
shale sticky	2210	porosity, no saturation 4293
lime	2235	shale dk w/little pyritic
shale	2280	dolomite 4297
lime	2300	shale dk w/30% sand gy 4300
shale	2485	shale dk pyritic w/trace
lime	2535	sand gy 4308 $\frac{1}{2}$
shale	2605	shale 4344
lime	2655	lime 4346
shale	3150	sand coarse gy w/little
lime	3500	shale 4350
shale blk	3515	sand coarse gy w/pyrites
lime	3696	& shale 4353
shale	3765	shale dk green w/little
lime	3825	oolitic chert & coarsely
shale	3840	cryst dolomite 4355
lime	4110	dolomite gy cryst hrd, no
chert & lime	4145	porosity or saturation 4356
shale	4156	700' fresh wtr, sh free oil
chert & shale	4191	on cleaning out to btm, no gas
chert	4201	dolomite dense gy coarsely
dolomite gy w/little		crystalline, no sat. 4359
chert	4218	dolomite gy & brown coarsely
chert hd dk w/little		cryst w/30% chert wh, slight
dolomite dense	4235	porosity & stained 4362
lime gy cryst w/		dolomite gy & brown coarsely
little sand	4239	cryst, slight por & sat. 4365
shale green	4253	dolomite gy coarsely cryst,
dolomite sdy gy dense,		slight porosity & sat. 4367
slight por & stained	4254	hrd from 4366-67
dolomite med sft		Total Depth.
coarsely cryst & sdy,		
good por & saturation	4256	
gas gauged 2,355 M.G.		Before acid tested $\frac{1}{4}$ BOPH
dolomite gy sdy, porous,		After acid 5,668 (indicated
no increase in gas	4258	productivity by E.M.) showing
no log	4262	47.66% wtr to establish 24-hr
no log, gas inc. to		potential of 1572 Bbls.
8,451 M.cu ft	4263	
dolomite gy cryst		12-30-40 acidized w/500 Gals.
& sdy, porous, gas		4355-4367
gauged 13,600 M.cuft	4264	12-30-40 acidized w/1000 Gals.
dolomite gy cryst		4355-4367
& sdy, gas gauged		1-29-41 acidized (jetting job)
15,500 M.cu ft	4266	w/500 Gals. 4365-4367
dolomite gy & brown		3-9-41 acidized (jetting job)
sd, little porosity		w/1000 Gals. 4353-4356
& sat, spray of oil, no		
increase in gas	4267	

Tops:
Lansing Lime 3736
Viola Lime 4162
Simpson shale 4239
Simpson Dolomite 4253
Arbuckle Lime 4353 $\frac{1}{2}$

Gas 4254-4268 ✓
Oil 4355-4367

good por & sat 4254-56
spray oil 4266-68
gas - 16,272 MCF
pay formation 4355-67 ✓
open hole 4355-56
honey-combed cement ✓
4356-67

Plugged back to 4356 ✓

4253 - 81

35'