

Operator Name F.G. Holl Lease Name Cross Well# 2-18 18 24 17W SEC SEC TWP. TWP RGE. RGE East West

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken Yes No
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1 4367-4440
 Tool opened w/ strong blow
 GTS 28", 1st open
 Rec: 90' GOCM
 420' HOCGM
 180' MCGO
 IFP: 123-216# ;30"
 ISIP: 1160# ;30"
 FFP: 140-242# ;60"
 FSIP: 1158 ;30"

| Name | Top | Bottom |
|---------------|------|--------|
| Heebner | 3774 | |
| Brown Lime | 3896 | |
| Lansing KC | 3906 | |
| BKC | 4208 | |
| Cherokee Sh | 4346 | |
| Cherokee Ss | 4390 | |
| Mississippi | 4416 | |
| Kinderhook Sh | 4462 | |
| Kinderhook Ss | 4481 | |
| Viola | 4505 | |

Gas readings
 2nd flow
 10" 37,600 CFGPD
 20" 59,000 "
 30" 77,300 "
 40" 92,500 "
 50" 106,400 "
 60" 113,400 "

CASING RECORD new used

Report all strings set - conductor, surface, intermediate, production, etc.

| Purpose of string | size hole drilled | size casing set (in O.D.) | weight lbs/ft. | setting depth | type of cement | # sacks used | type and percent additives |
|-------------------|-------------------|---------------------------|----------------|---------------|-----------------|--------------|----------------------------|
| Surface | 12. 1/4" | 8. 5/8" | .23# | 265'KB | .60/40. Poz | 210 | .3%cc |
| Production | 7. 7/8" | 4. 1@2" | 10.5# | 454.5'KB | lite, 50/50 Poz | 225 | regular |

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

| shots per foot | specify footage of each interval perforated | (amount and kind of material used) | Depth |
|----------------|---|--|-------|
| 4 | 4420-24 | 1000 gal. 15% DS/FE acid, cross-link gal. frac. w/20,000# 20/40 sd; 20,000# 10/20 sd | 4424 |
| 4 | 4392-96 | Sqz. w/.150 ex | 4415 |
| 4 | 4392-96 | 1000 gal. 15% DS/FE acid | 4415 |

TUBING RECORD

size 2" set at 4395.61' packer at NA Liner Run Yes No

Date of First Production NA Producing method flowing pumping gas lift Other (explain)

| Estimated Production Per 24 Hours | Oil | Gas | Water | Gas-Oil Ratio | Gravity |
|-----------------------------------|---------|--------|---------|---------------|---------|
| NA | NA Bbls | NA MCF | NA Bbls | CFPB | |

METHOD OF COMPLETION

PRODUCTION INTERVAL

Disposition of gas: vented sold used on lease
 open hole perforation
 other (specify) NA
 Dually Completed.
 Commingled