

SIDE TWO

Operator Name Raymond Oil Co., Inc. Lease Name Harkness Well# 1 SEC 5 TWP 19 RGE 24 ☐ 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: 4360'-4378', 30-60-45-60, Rec'd 15'M,
IFP 41-41, ISIP 61, FFP 41-41,
FSIP 51, Temp 120°

DST #2: 4360'-4386', 30-60-45-60, Rec'd 12'M,
IFP 61-61, ISIP 112, FFP 61-61,
FSIP 82, Temp. 118°

DST #3: 4360'-4403', 30-60-45-60, Rec'd 8'M,
IFP 61-61, ISIP 1156, FFP 71-71,
FSIP 1074, Temp 122°,

Name	Top	Bottom
Anhydrite	1625	
Heebner	3742	
Lansing	3783	
Marmaton	4136	
Pawnee	4220	
Ft. Scott	4296	
Cherokee Sh.	4320	
Cherokee Sd.	4375	
Miss.	4427	
RTD	4452	

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"	20#	650'	60/40 poz.	325	2% gel 3% cc.

PERFORATION RECORD

Acid, Fracture, Shot, Cement Squeeze Record

shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth

TUBING RECORD

size

set at

packer at

Liner Run

☐ Yes☐ No

Date of First Production

Producing method

☐ flowing☐ pumping☐ gas lift☐ Other (explain)Estimated Production
Per 24 Hours

Oil

Gas

Water

Gas-Oil Ratio

Gravity

Bbls

MCF

Bbls

CFPB

Disposition of gas: ☐ vented☐ sold☐ used on lease

METHOD OF COMPLETION

☐ open hole ☐ perforation☐ other (specify)☐ Dually Completed.☐ Commingled

PRODUCTION INTERVAL