

DESCRIPTION OF WELL AND LEASE

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

Operator Name **Thunderbird Drilling, Inc.** Lease Name **ROSS** Well# **1** SEC. **3** TWP. **7S** RGE. **20** ☐ 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, 3258-3335/30-30-30-30, rec. 980' mw, FP 68-475#, BHP 1038-1048#
 DST #2, 3360-3380/30-30-30-30, rec. 700' oil, 380' w, FP 68-455#, BHP 915-905#
 DST #3, 3393-3420/30-45-30-45, rec. 65' mud, FP 28-38#, BHP 1184-1165#
 DST #4, 3415-3435/30-30-30-30, rec. 5' mo, FP 19-28# BHP 136-39#
 DST #5, 3433-3460/30-45-30-45, rec. 125' vsocmw, FP 19-87#, BHP 866-857#
 DST #6, 3508-3547/30-45-30-45, rec. 510' gip, 960' cgo, FP 68-359#, BHP 897-897#
 DST #7, 3562-3627/30-45-30-45, rec. 420' gip, 90' co, 60' mo, FP 58-87#, BHP 687-596#

Name	Top	Bottom
Anhydrite	1715+	434
B/Anhydrite	1746+	403
Heebner	3327-	1178
LKC	3365-	1216
BKC	3570-	1421
Arbuckle	3616-	1467
LTD	3625-	1476
RTD	3627-	1478
Surface Hole	0	345
Shale	345	1225
Sand	1225	1440
Shale	1440	1716
Anhydrite	1716	1746
Shale	1746	2
Shale & Lime	2222	2415
Lime	2415	2825
Shale & Lime	2825	3050
Lime	3050	3627
R.T.D.	3627	

TUBING RECORD size set at packer at		Liner Run ☐ Yes ☐ No	
Date of First Production 10/5/84	Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)		
Estimated Production Per 24 Hours	Oil 120 Bbls	Gas MCF	Water None Bbls
			Gas-Oil Ratio CFPB
			Gravity

Disposition of gas: ☐ vented ☐ open hole ☒ perforation ☐ sold ☐ other (specify) PRODUCTION INTERVAL
☐ used on lease ☐ new ☐ used
 3516-3538 OA

Casing Record							
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"	24#	345'	Com	225	2% gel, 3% cc
Production		4 1/2"	14#	3616		150	
Stage Collar				1705		500	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	3516-3526		
2	3530-3538	A 1000 gal.	3516-3538 OA