

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: FROM 4190' TO 4204'
 TIMES = 30 - 60 - 30 - 90
 RECOVERED 1110' HEAVY GAS CUT OIL (50% OIL AND 50% GAS) AND 190" SALT WATER
 INIT. FLOW PRESS. = 132-254
 INITIAL FLOW PRESS. = 365-442
 INITIAL SHUTIN = 1331 #
 FINAL SHUTIN = 1331 #

Name	Top	Bottom
ANHYDRITE	1295'	(/ 885)
HEEBNER	3728'	(- 1548)
LANS.-KC	3791'	(- 1611)
MARMATON	4168'	(- 1988)
MISS.-OSAGE	4412'	(- 2232)
LOG T.D. =	4496'	

DST # 2: FROM 4331' TO 4355'
 TIMES = 30 - 45 - 30 - 60
 RECOVERED 60' OF GAS & 25' SLITELY GAS CUT MUD W/ SHOW OF OIL.
 INITIAL FLOW PRESS. = 77 - 55
 FINAL FLOW PRESS. = 66 - 44
 INITIAL SHUTIN = 1265#
 FINAL SHUTIN = 1265#

DST # 3: FROM 4410' TO 4420'
 TIMES = 30 - 60 - 30 - 90
 RECOVERED 120' OF GAS AND 2700' OF FREE OIL
 INITIAL FLOW PRESS. = 165 - 629
 FINAL FLOW PRESS. = 750 - 980
 INITIAL SHUTIN = 1396 #
 FINAL SHUTIN = 1396 #

TUBING RECORD	size	set at	packer at	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First Production 8-16-84	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)				
Estimated Production -24 Hours	Oil 55 BPD Bbls	Gas --- MCF	Water -0- Bbls	Gas-Oil Ratio	Gravity 31.1 @ 60° CFPB

CASING RECORD <input checked="" type="checkbox"/> new <input type="checkbox"/> 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#	382'	60/40 POZMIX	240	3% C.C.C. & 2% GEL.
PRODUCTION	7 7/8"	4 1/2"	10.5#	4499'	60/40 POZMIX	200	2% GEL, 10% SALT, 3/4% D-31

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	4412' - 4414'	250 GAL. 15% MCA PLUG 250 GAL. 15% NE ACID	SAME