

Operator Name BEREN CORP. Lease Name Grube Well# 3 SEC 24 TWP. 18S RGE. 32W 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) ("A")
 60-60-60-60
 Rec: 300' water
 961/951 40/101 111/172
 DST #2) ("B")
 Good blow, open 22 min, pulled due to lost circ.
 Rec: 50' MCO (80% oil, 20% mud), 45' HOCM (40% oil, 60% mud), 1st flow 50/81
 DST #3) ("B")
 30-45-45-60
 Rec: 210' gassy oil
 90' OCM (35% oil, 65% mud)
 971/951 40/60 91/121
 DST #4) ("E")
 30-30-30-30
 Rec: 2' SOCM
 30/30 30/30 30/30

Name	Top	Bottom
Shale & Sand	0	315
Sand & Shale	315	650
Shale & Sand	650	1520
Sand & Shale	1520	2240
Lime, Shale Anhyd.	2240	2620
Lime & Shale	2620	3966
Ks. City/Lime & Shale	3966	4009'-1

RELEASED

MAY 09 1988

FROM CONFIDENTIAL

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"	23#	429'	60-40 Poz	300	3% c.c.
Production	7-7/8"	5 1/2"		4008'	60-40 Poz	100	10% Salt, 3/4 of
DV. Tool				2201'	Hal. lite.	450	1% CFR 2.20 Bbl SI
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
shots per foot	specify footage of each interval perforated			(amount and kind of material used)			Depth
Open Hole	4008-4011'			21 gals 15% INS 30 gals 15% INS; 220 gas 15% INS 500 gals 15% NE-CRA w/ Silt suspender			4008-11'
TUBING RECORD							
size	2-3/8	set at	4000	packer at	None	Liner Run	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First Production		Producing method					
1/9/86		<input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
5 Bbls		0 MCF	0 Bbls	---		30	

Disposition of gas: vented
 sold
 used on lease

METHOD OF COMPLETION
 open hole perforation
 other (specify)

PRODUCTION INTERVAL

4008-11

Dually Completed.
 Commingled

