

CONFIDENTIAL

SIDE TWO

Operator Name PETROSANTANDER (USA) INC

Lease Name McFerren-Neely Unit Well # McFerren-Neely Unit 1

Sec. 33 Twp. 23S Rge. 32

East
 West

County FINNEY

COPY

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
(Attach Additional Sheets.)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
(Submit Copy.)

List ALL E Logs run (See attached letter)
DUAL INDUCTION
MICROLOG
COMP NEUT DENS
SONIC

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
HEEBNER	3891'	-1033'
LANSING	3935'	-1077'
MARMATON	4470'	-1612'
CHEROKEE	4590'	-1732'
MORROW	4763'	-1905'
MISSISSIPPI	4840'	-1982'
RTD	4900'	-2042'

KCC
JAN 17 1985

RELEASED FROM

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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#	506'	LITE/Class C	175/100	3% cc/3% cc
PRODUCTION	7-7/8"	5-1/2"	15.5#	4910'	50/50 Poz	300	2% cc

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Bottom	Top	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	a) squeeze perf at 1080'	est 1000'	Lite / common	350 / 50	
<input checked="" type="checkbox"/> Protect Casing	b) squeeze perf at 950'	est 860'	60/40 Poz	300	
<input type="checkbox"/> Plug Back TD	c) squeeze leak at 950'	surface	Class A / neet	50 / 75	
<input type="checkbox"/> Plug Off Zone					

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4766-4774	Acid: 500 gal 15% MCA w/adds	
		Frac: 7000 gal Hydro Vis 240	
		5500# 20/40 sand	
		1080 gal Hydro Vis 240 flush	

TUBING RECORD: Size	Set At	Packer At	Liner Run
2-7/8"	4687'	4685'	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Date of First, Resumed Production, SWD or Inj Awaiting Temporary Injection Authorization	Producing Method.		INJECTION
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain)		
Estimated Production Per 24 Hours	Oil. Bbls.	Gas. Mcf	Water Bbls. Gas-Oil Ratio. Gravity.

Disposition of Gas.

Vented Sold Used on Lease
(If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perf. Dually Comp. Commingled
 Other (Specify) Injection

Production Interval