

CEMENTING RECORD

TYPE OF JOB	KIND OF CEMENT	NO. SACKS USED	NO. SACKS SQUEEZED	HOURS SET	FINAL PRESSURE	DEPTH		REMARKS
						FROM	TO	
Surface	700 sx. 50	50 Poz. (S)	+ 2% gel	48		0	1001	Cement Circulate
Production	360. sx. Incor (High Sulphate Resistant)	Mixed 50-50 w/Poz. (S)	+ 2% gel.	72		7900	9584	

REMARKS: Top of 13 3/8" surface casing to RDB 13.40'
 Top of 5 1/2" casing to RDB 11.94'
 Top of cement behind 5 1/2" Production Casing 79.00' 7900'
 Top of 2" tubing to RDB 10.30'

CORING AND LOGGING RECORD

FRACTURE RECORD

Stage 1 Thru perforations 9382-9400 and 9410-9417 and 9423-9434, spotted 250 gallons. Howco MCA on perforations and let soak. Followed with Frac - 12,000 gallons gelled 7 1/2% acid with 4400# sand with 700# walnut hulls, formation broke at 3500#, Maximum pressure 5000#, Injection rate Avg. 15.3 BPM.

Stage 2 Through perforations 9346-9374'. Spotted 250 gallons Howco MCA on perforations. Followed with frac - 10,000 gallons gelled 7 1/2% acid with 4200# sand with 500# walnut hulls. Formation broke at 4200#. Maximum pressure 5400#, Average injection rate 15.2 BPM.
 Frac done through straddle packers (Howco)
 Pressures after second stage, 15 minute Shut in 2700#, 30 minute Shut in 2300#, 8 hour shut in 300#.

CORING

#1 9283-9317 (34') See Core Lab - Core, mud & cuttings
 #2 9333-9379 (46') Analysis on well for descriptions.
 #3 9379-9396 (17')

MUD LOGGING

Core Laboratories Inc. Mud Logging unit on well from 468' to 4000' and 6400' to 9600'

LOGS RUN

Schlumberger	Run #1	Run #2
Induction Electrical Log	1003- to 5042'	5041' to 9592'
Sonic Log	1003 to 5042'	5038' to 9585'
Microlaterolog	1003 to 2800'	7650 to 9585'
Halliburton Temperature Survey	7000 to 9515'	
Welex Gammas Ray Collar		
Perforation Record	9000' to 9503'	

RECEIVED

NOV 21 1965

D. C. C.
ARTESIA, OFFICE