SCHLUMBERGER — CEMENT BOND LOG

SCHLUMBERGER WELL SURVEYING CORPORATION
Houston, Texas

COUNTY	LEWIS
Field or LOCATION	JACKSON PRAIRIE
WELL	(AGNEW #1) STORAGE UNIT 904
COMPANY	JACKSON PRAIRIE GAS STORAGE CO.

COMPANY JACKSON PRAIRIE GAS STORAGE COMPANY

WELL (AGNEW #1) STORAGE UNIT 904

FIELD JACKSON PRAIRIE

COUNTY LEWIS STATE WASHINGTON

LOCATION 1513'SOUTH & 481'WEST OF THE NE CORNER OF

Sec. 18 Twp. 12 N Rge. 1 W

Other Services:

Permanent Datum: GL, Elev. 498
Log Measured From KB, 12 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 510
D.F. ---
G.L. 498

Date	9/4/72	Type Drill Fluid	FGM
Run No.	ONE	Fluid Level	FULL
Depth — Driller	2933	Max. Rec. Temp.	101 °F
Depth — Logger	2940	Est. Cement Top	---
Btm. Log Interval	2928	Equip. / Location	7503 / SACTO
Top Log Interval	500	Recorded By	ANDERSEN
Open Hole Size	9 7/8"	Witnessed By	WURDEN

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String	-					
Prot. String	-					
Prod. String	7	23	-	ST&C	0	-
Liner						

PRIMARY CEMENTING DATA

STRING	Surface	Protection	Production	Liner
Vol. of cement				
Type of cement				
Additive				
Retarder				
Wt. of slurry				
Water loss				
Type fluid in csg.				
Fluid wt.				

SWSC-729-B

FOLD HERE

PRIMARY CEMENTING PROCEDURE	Hour — date	Hours from start of operation
Started pumping cement		
Release pressure		
Start Cement Bond Log		
Finish Cement Bond Log		

Equipment Data
Type centralizers RUBBER
Logging speed 4000 FT/HR.
Bias: Max. - Min. -
Cartridge Type SLC - B
Cartridge No.

Preceding fluid____ Volume____ bbls. Pipe reciprocated during Pumping: Yes____ No____
Cement pumped____ bbls./minute Pipe reciprocated after plug down: Yes____ min., No____

SQUEEZE JOB DETAIL	1	2	3	4
Squeeze number				
Date				
Depth interval				
Type cement				
Volume of cement				
Additive				
Retarder				
Weight of slurry				
Preceding fluid				
Breakdown pressure				
Max. pressure-stage 1				
" " " 2				
" " " 3				
Final maximum pressure				
Started pumping cement				
Released pressure				
Start CBL				
Finish CBL				

Centralizer Depths	Scratcher Depths

AVERAGE WELL DRIFT: ° from to ; ° from to ; ° from to

REMARKS

SINGLE RECEIVER ΔT microseconds	DEPTHS	BOND LOG millivolts
400 — 200		BONDING INCREASES ← 0 — 50

TRANSIT TIME microseconds	DEPTHS	BOND LOG millivolts
400 — 200		BONDING INCREASES ← 0 — 50

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WELL (AGNEW #1)STORAGE UNIT 904

FIELD JACKSON PRAIRIE

COUNTY LEWIS STATE WASHINGTON

SWSC FR 2928
SWSC TD 2940
DRLR TD 2933
Elev:
KB 510
DF ---
GL 498