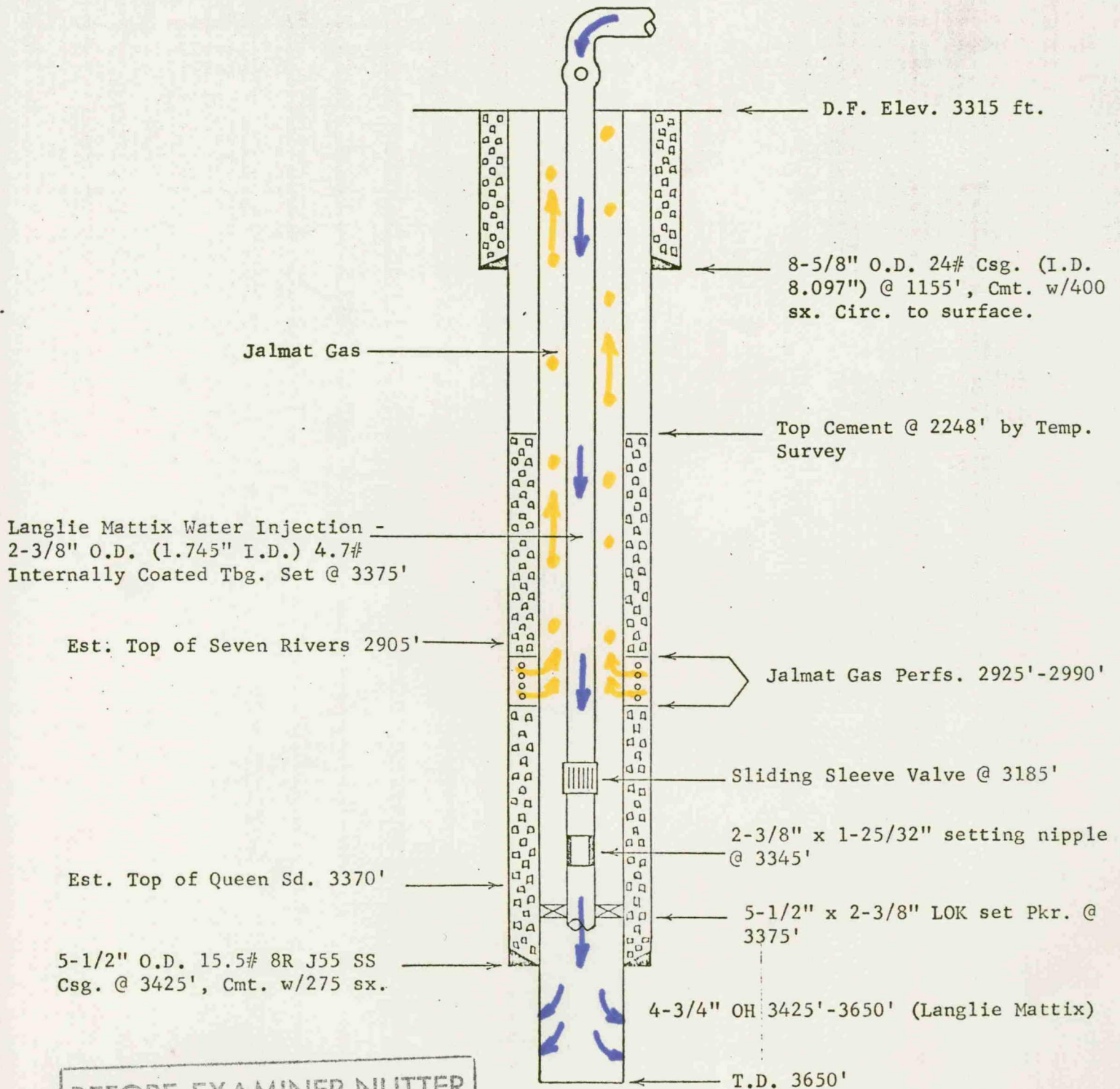


PROPOSED
SKELLY J. C. JOHNSON LEASE
WATERFLOOD PROJECT
LANGLIE MATTIX FIELD
LEA COUNTY, NEW MEXICO

J. C. Johnson Well No. 4
Unit D, Sec. 20, T23S-R37E
Proposed Dual Completion



BEFORE EXAMINER NUTTER

OIL CONSERVATION COMMISSION

SKELLY EXHIBIT NO. 2
CASE NO. 5197

PROPOSED
J. C. JOHNSON LEASE
WATERFLOOD PROJECT
LANGLIE MATTIX FIELD
LEA COUNTY, NEW MEXICO

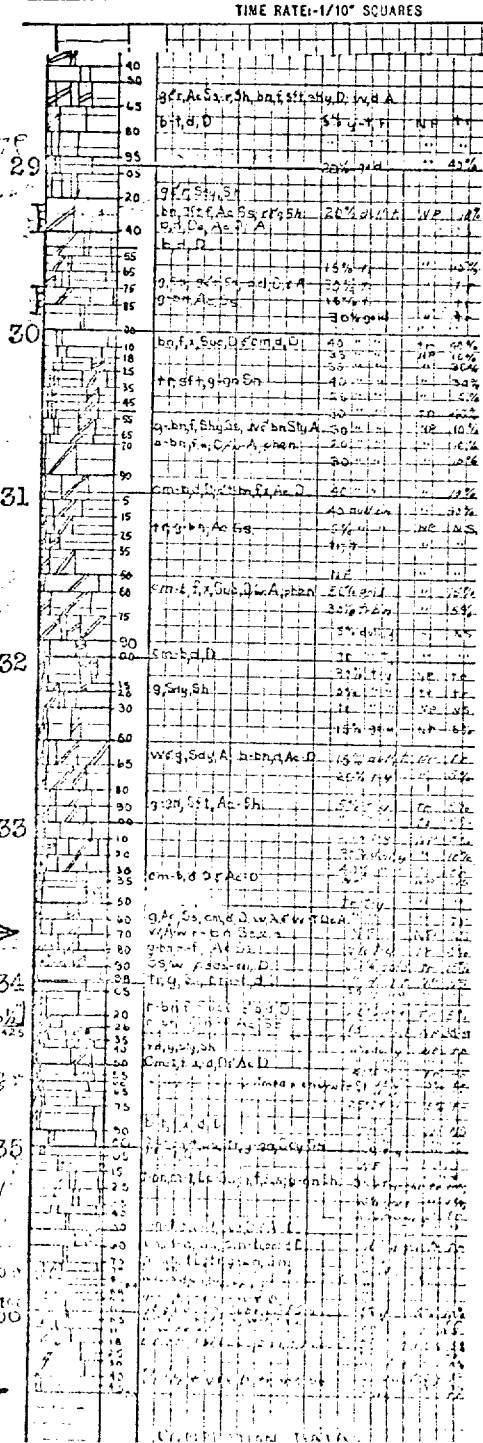
Sample Log
J. C. Johnson No. 4

LOG	J. C. Johnson	4
BLOCK	100 PM	
SEC	20	660' fN1 & 660' fW1
TOTAL DEPTH	660'	
CONTRACTOR	Cactus Drilg.	
COMMENCED	4-21-54	
COMPLETED	5-26-54	
REMARKS		
ALTITUDE	3315 DF	
PRODUCTION	HIPP 8032PD (Queen)	
HIPP 3,200 MCF (7R)	SING RECORD	
SHOT	QUARTS	BETWEEN
10"	8"	6"
20"	15"	12"
15"	12"	10"
12"	10"	8"
8"	6"	4"
4"	2"	1"
TIME RATE SCALE: 1/10" = 10 MINUTES		
FORM 450 - In stock and for sale by Ross-Martin Co., Tulsa		
TIME RATE: 1/10" SQUARES		

Est. Top of Seven Rivers 2905'

Est. Top of Queen Sand 3370'

TD 3650'



BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Shelly CRIST NO. 3
CASE NO. 5197

Exhibit No. _____

EXXON CHEMICAL COMPANY U.S.A.
SPECIALTIES LABORATORY
December 28, 1973
8230 Stedman, Houston, Texas 77029



WATER ANALYSIS

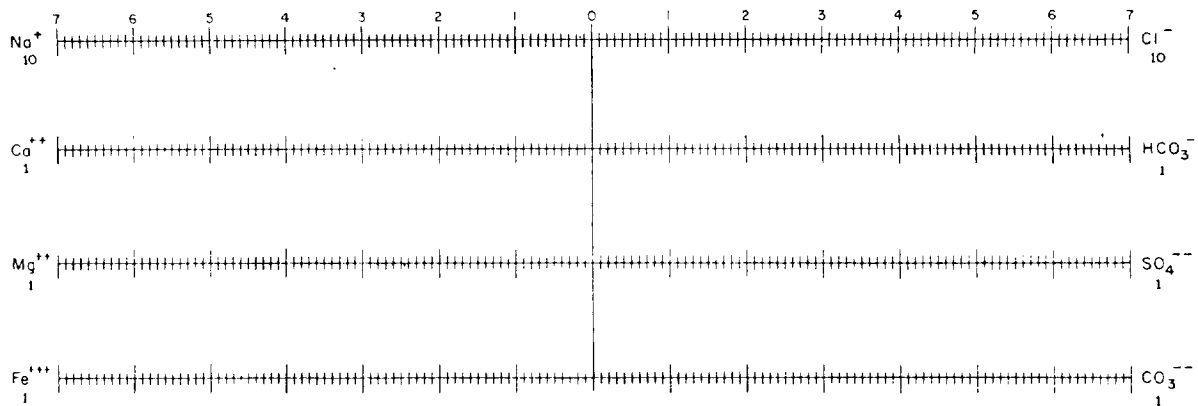
SAMPLE DESCRIPTION: Theoretical combination of 2/3 E. L. Steeler water and 1/3 J. C. Johnson water.

COMPANY: Skelly Oil Company
STSR NUMBER: 1273148 (page 3)
REQUESTED BY: Harold Langen

DATE RECEIVED: 12-20-73
ANALYZED BY: Gene Keil

	<u>Mg/L</u>	<u>Meq/L</u>		
Sodium	37,711	1,639.6	pH	7.2
Calcium	7,237	361.9	Specific Gravity at 60°F.	1.0710
Magnesium	788	64.9	Resistivity ohms/m @ 77°F	0.080
Chloride	72,321	2,039.5		<u>Mg/L</u>
Sulfate	469	9.8	Oil Content	
Bicarbonate	1,045	17.1	Organic Matter	
Carbonate	0	0.0	Hydrogen Sulfide	193
Hydroxide	0	0.0		
TOTAL	119,571			
Dissolved Iron				
Total Iron	0.59			

WATER PATTERN (Stiff Method)



Meq/LITER

Remarks:

BEFORE EXAMINER NUTTER	
OIL CONSERVATION	EXPT. NO. 4
CASE NO. 5197	