



L. P. Thompson
Division Manager
Production Department
Hobbs Division

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FEB - 7 1972

OIL CONSERVATION COMM.

Western Hemisphere Petroleum Division
Continental Oil Company
P. O. 460
1001 North Turner
Hobbs, New Mexico 88240
(505) 393-4141

February 4, 1972

New Mexico Oil Conservation Commission - 3
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention Mr. A. L. Porter, Jr.
Secretary Director

Gentlemen:

Application for Authorization to Expand East E-K Unit Waterflood Project

As you know, Continental Oil Company has expanded the East E-K Unit effective November 1, 1971. We now propose to expand the waterflood project, which was authorized under Order No. R-3901, by the addition of two injection wells as follows:

Well No. 9: 1650' from the North Line, 330' from the West Line, Section 23, Township 18 South, Range 34 East.

Well No. 10: 1650' from the South Line, 990' from the West Line, Section 22, Township 18 South, Range 34 East, Lea County, New Mexico.

Attached is one copy of each of the following:

1. Plat showing proposed injection wells and an area two miles radius surrounding such wells.
2. Schematic diagram of East E-K Unit No. 9 showing manner of completion for injection.
3. Schematic diagram of East E-K Unit No. 10 showing manner of completion for injection.
4. Copy of pertinent section of log of East E-K Unit No. 9.
5. Copy of pertinent section of log of East E-K Unit No. 10.

WFX-364
due Feb 22

NMOCC

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Since there are no offset operators, it is respectfully requested that immediate approval of the proposed expansion be given.

Yours very truly,

A handwritten signature in cursive script, appearing to read "J. D. Thompson".

rw

Enc

CC + Enc:

Commissioner of Public Lands

P. O. Box 1148

Santa Fe, New Mexico 87501

New Mexico Oil Conservation Commission

P. O. Box 1980

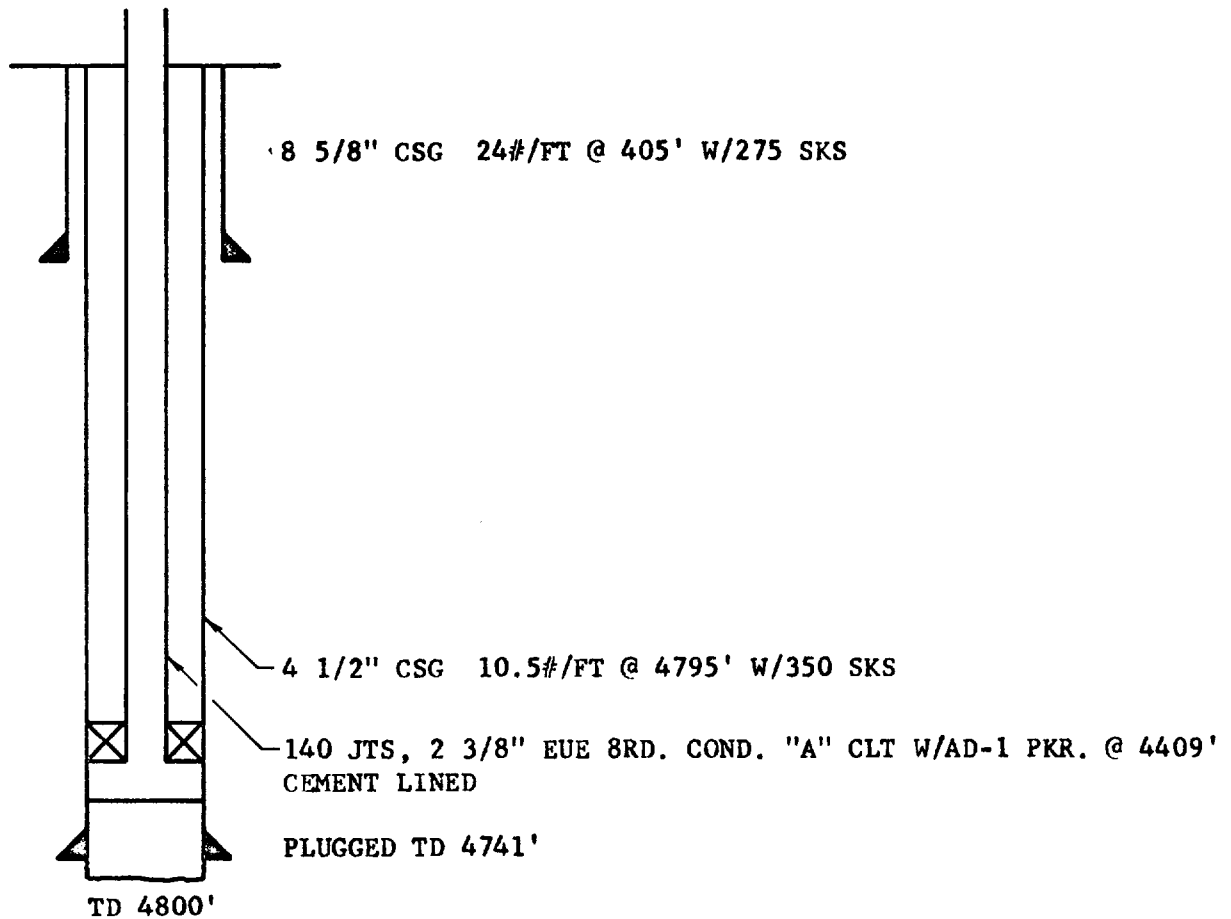
Hobbs, New Mexico 88240

RLA: JJB: JWK:

EAST E - K UNIT NO. 9
LOCATION: 1650' FNL & 330' FWL
SECTION 23, T18S, R34E
ELEVATION: 4000' GL TD: 4741'
ROTARY TOOL SURF. TO 4800'

NSM 2/4/72

erw



PERFORATION RECORD:

4495 - 88 1/2, 88, 78 1/2, 78'
4514 - 08 1/2, 08, 05 1/2, 05'
4621 1/2 - 21'
4748 1/2 - 48, 42, 39 1/2, 39'

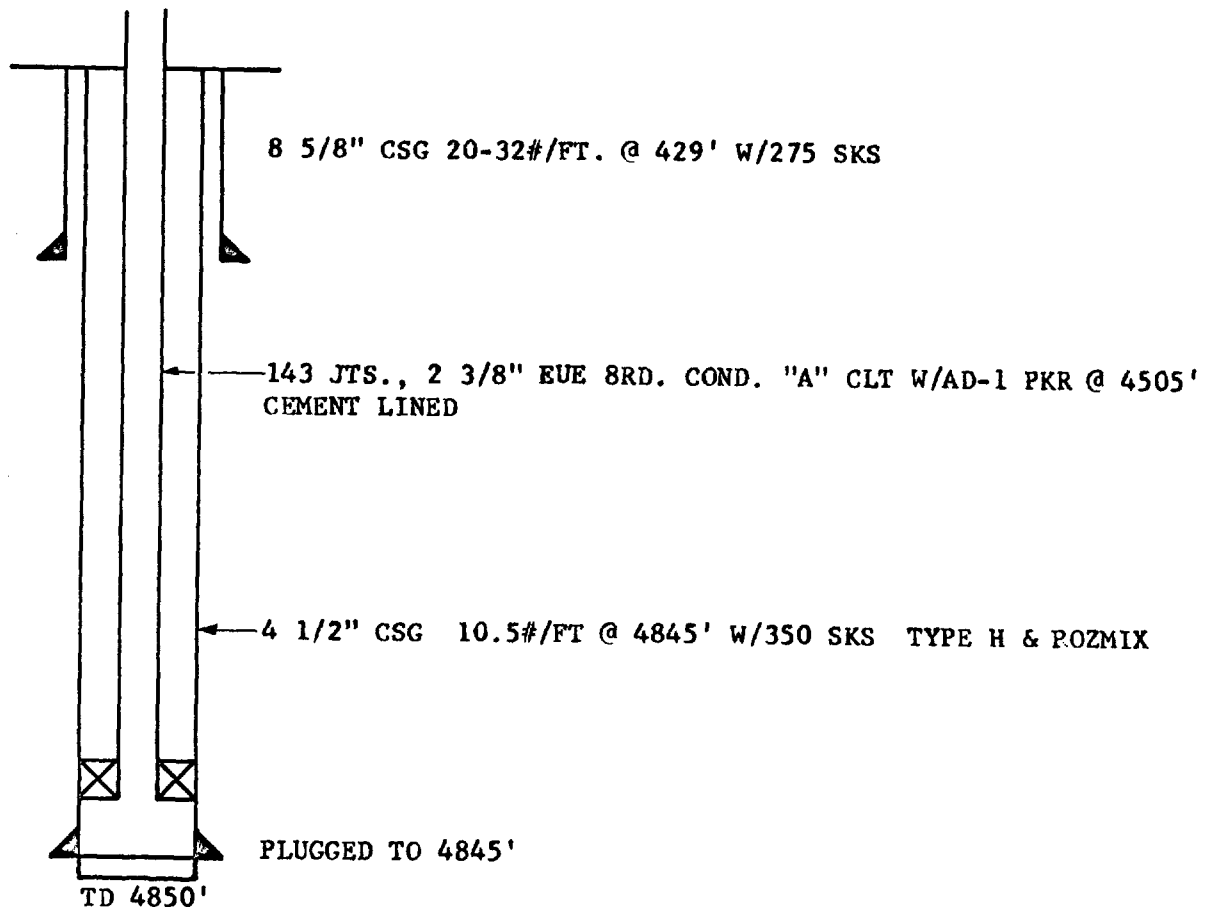
CONVERT TO INJECTION (1-17-72)
INJ. RATE 1-26, 27-72 137 BWPD
INJ. PRES. 1-26, 27-72 0 PSI

LOGS: GAMMA RAY

EAST E - K UNIT NO. 10
ELEVATION: 4020' GL TD: 4845'
LOCATION: 1650' FSL & 990' FWL
SECTION 22, T18S, R34E
ROTARY TOOL SURF. TO 4850'

NSM 2/4/72

erw



PERFORATION RECORD: 4541, 50, 61,
65, 70

ALL PERFS. 1 hole/FT. 1/2"

4685, 90'

4815, 19, 24'

4809, 10 1/2, 12, 14, 17, 23'

CONVERT TO INJECTION (1-12-72)
1-26, 27-72 INJ. RATE 172 BWPD
1-26, 27-72 INJ. PRESSURE 0 PSI

LOGS: SCHLUMBERGER - CALIPER, GAMMA RAY

SCHLUMBERGER		WELL LOG	
COUNTY LEA		FIELD EAST E. K. QUEEN	
WELL CONTINENTAL STATE #3		COMPANY TRITON OIL & GAS	
COMPANY TRITON OIL & GAS COMPANY			
East E-K Unit Well #9			
WELL CONTINENTAL STATE #3			
FIELD EAST E. K. QUEEN			
COUNTY LEA STATE NEW MEXICO			
LOCATION 1650' FNL & 330' FWL		Other Services:	
Sec. 23 Twp. 18-S Rge. 34-E		L. FS. GRN.	
Permanent Datum: G.L.		Elev. 4000	
Log Measured From: K.B.		Elev.: K.B. 4010.5	
Drilling Measured From: K.B.		D.F. 4000	
G.L. 4000			
Date 9-16-68			
Run No. ONE			
Depth-Driller 4800			
Depth-Logger 4799			
Bim. Log Interval 4794			
Top Log Interval 0			
Casing-Driller 8 5/8 @ 405			
Casing-Logger			
Bit Size 7 7/8			
Type Fluid in Hole SALT			
Dens. Visc. 10.5 120			
pH Fluid Loss 6 6.6 ml			
Source of Sample CIRC			
R ₁ @ Meas. Temp. .075 @ 78 °F			
R ₂ @ Meas. Temp. .046 @ 78 °F			
R ₃ @ Meas. Temp. @ °F			
Source R ₁ R ₂ R ₃ M			
R ₄ @ BHT .058 @ 100 °F			
Time Since Circ. 6 HOURS			
Max. Rec. Temp. 101 °F			
Equip. Location 3701 HOBBS			
Recorded By WILSON			
Witnessed By WATSON-WOLGOTT			

ILLEGIBLE

Reproduced By
Electrical Log Services, Inc.
Midland, Texas 79701

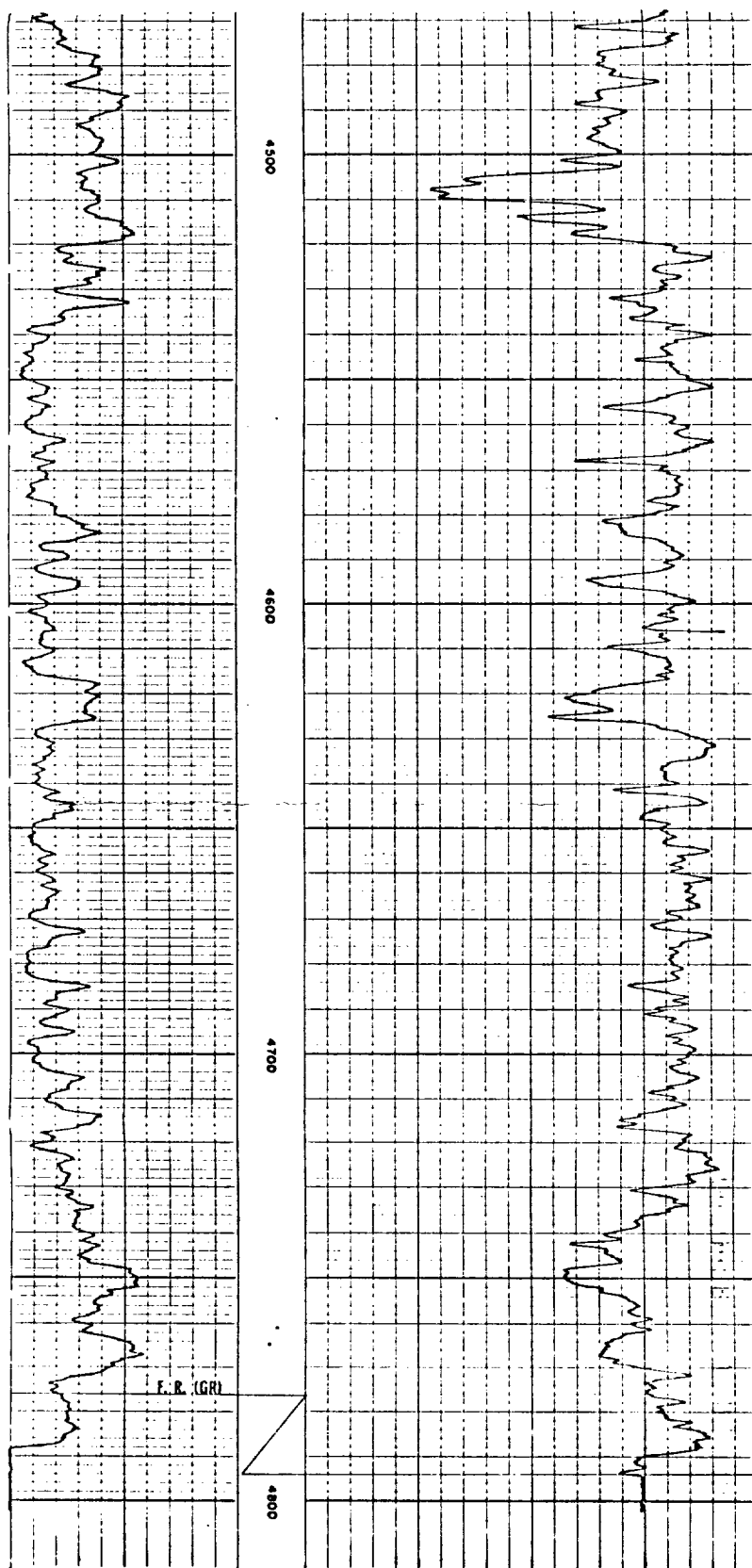
REFERENCE W 4386R



// COMPLETION RECORD

WELL CONTINENTAL STATE #3	SCHL. TO 4799
FIELD EAST E. K. QUEEN	DRLR TO 4700
COUNTY LEA STATE NEW MEXICO	Elev. KB 4010.5
	DF 4000
	GL 4000

DETAIL LOG		
5"=100'		
GAMMA RAY API UNITS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
0 100	100	T.I.R.I.R. 70 40
100 200	160	130 100



SCHLUMBERGER

COUNTY LEA FIELD EAST E. K. QUEEN LOCATION RICHARDSON & BASS STATE 41 COMPANY TRITON OIL & GAS

COMPANY TRITON OIL & GAS COMPANY
East E-K Unit No. 10
WELL RICHARDSON & BASS STATE #1
FIELD EAST E. K. QUEEN
COUNTY LEA STATE NEW MEXICO
LOCATION 1650' FSL & 990' FWL
Sec. 22 Twp. 18-S Rge. 34-E
Other Services: L. MLL. FS.

Permanent Datum: G.L. Elev. 4020.5
Log Measured From K.B. 11 Ft. Elev. K.B. 4031.5
Drilling Measured From K.B. D.F. 4020.5

Date 9-29-68
Run No. ONE
Depth-Driller 4850
Depth-Logger 4845
Bim. Log Interval 4843
Top Log Interval 0
Casing-Driller 8 5/8 @ 429 @
Casing-Logger 429
Bit Size 7 7/8
Type Fluid in Hole SALT GEL

Dens. Visc. 10.7 48
pH Fluid Loss 12.2 ml
Source of Sample P.I.T.
R₁ @ Meas. Temp. 062 @ 81 °F @ °F @ °F @ °F
R₂ @ Meas. Temp. 043 @ 82 °F @ °F @ °F @ °F
R₃ @ Meas. Temp. @ °F @ °F @ °F @ °F
Source of Sal R₄ H
R₅ @ BHT 05 @ 102 °F @ °F @ °F @ °F
Time Since Circ. 3 HOURS
Max. Rec. Temp. 102 °F
Equip. Location 3722 | HOBBS
Recorded By LEFLER
Witnessed By WATSON & BROWNING

The well name, location and borehole reference data were furnished by the customer.

ILLEGIBLE

Reproduced By
Electrical Log Services, Inc.
HOUSTON, TEXAS 77061

REFERENCE W 4388J

ELSI

// COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

CASING RECORD

