

17

6

18

R-35-E

B. Lusk

Forrest C. York et al

York

Sinclair

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
App EXHIBIT NO. 1
CASE NO. 1978

Eda well

Hill Bank, et al

T
16
S

Shell
NM-1231
(634.79 Ac)
320 Ac.
P.D.S.
"EDA"

2
4046 - 6504
-6674-5 1/2"
-6651(21) 84h
261 b/d (49/64") R-1870 37.8°
-6674 T.D. XI-1 - 55
-6672 P.B.
9006 M.A.
-6672-5 1/2"
-6617 (46/98) 152h
518 b/d (88/64") R-
-6673 T.D. III-19-54 37.5°
-6668 P.B.

3
4059 - 6481
-6691 TD
-6687 PB
-6690-5 1/2"
-6595(51)-AT(1)
IV-54 249(22) R-400

1
4057 - 6476

Humble

4
4075 - 6476
-6673-5 1/2"
-6687(15) 80h W.H. Townsend
764 b/d (20/64") R-1358 40.5°
-6678 T.D. III-5-54
-6672 P.B.
1-500 Gal.
2
4051 - 6509
-6706-5 1/2"
-6689(5) 20h
233 b/d + 19 b/w (1/4") R-1678 40°
-6703 P.B.
1-1000 Gal.
P.B.A.
XI-11-54

Humble
4068 - 6574
-6975 TD
XII-55 D&A

Edson
PA. 8-56
990 -

2
4059 - 6529
-6701 TD
-6676 PB
-6700 5 1/2"
-6653(22)-AT(2)
IX-53 712(20) R-1004 40.6°
State

Cities Service
8-29-59

40.7°
T-54 509(20) R-1407
VIII-56 TA
40.7°
Skelly
"Mexico"
"R"

4
4058 - 6550
-6697 TD
-6693 PB
-6697-5 1/2"
-6669(12)-AT(1)

3
4057 - 6472
-6679 TD
-6679-5 1/2"
-6639(26)
VI-53 1469(48) R-1135 39°

IX-53 220(35) 40°
2

2
4052 - 6472
-6675-5 1/2"
-6648(20) 80h
894 b/d (5/16") R-1802 40°
-6675 T.D. IV-1-53
1-500 Gal.

1
4047 - 6538
-6718-5 1/2"
-6658(20) 80h
1302 b/d (3/4") R-1629 40°
-6718 T.D. I-9-83

Edson

SHELL STATE ETA # 1
Townsend Field
990' FNL & 990' FEL, Section 8, T-16-S, R-35-E
Lea County, N.M.

Elevation 4041' (DF)

13 3/8", 48# H-40
347' 400 sx.
Circulated cement

8 5/8", 32# H-40
4653' 2850 sx.
Circulated cement

4580'
-539 San Andres

6152'
-2111 Glorieta

7291'
-3250 Drinkard

8036'
-3995 Abo

9518'
-5477 Wolfcamp

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
EXHIBIT NO. 2
CASE NO. 1978

ILLEGIBLE

5 1/2", 15.5# J-55 & N-80
10,488' 600 sx.
Estimated top of cement 8,000'

Disposal Zones
10,365-10,380'
10,398-10,430'
10,444-10,463'

TD 10,490' DOD 10,465

SHELL STATE EDA # 2
Eidson Field
330' FSL & 947' FWL, Section 7, T-16-S, R-35-E
Lea County, N.M.

Elevation 4059' (DF)

13 3/8" 48 & 36# H-40
332' 350 sx.
Circulated cement

8 5/8" 32# J-55
4674' 3150 sx.
Circulated cement

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
App EXHIBIT NO. 2
CASE NO. 1978

$\frac{6176'}{-2117}$ Glorieta

$\frac{7350'}{-3291}$ Drinkard

$\frac{8127'}{-4068}$ Abo

$\frac{9792'}{-5733}$ Wolfcamp

ILLEGIBLE

Baker Model K retainer @ 10,740'
5 1/2" 15.5 & 17# J-55 &
N-80

10,759' 700 sx.
Estimated top of cement 7,400'

Perforations
10,712-10,734'
10,750-10,752'

TD 10,760' DOD 10,758

W A I V E R

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

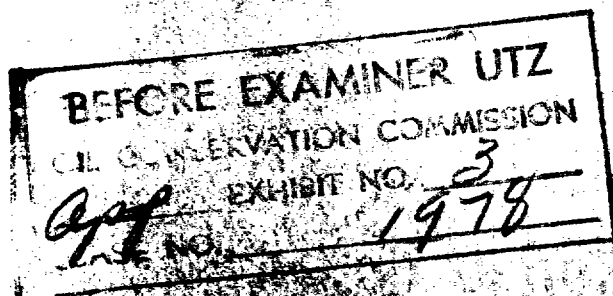
Gentlemen:

We have been notified of Shell Oil Company's application to dispose of produced salt water from the Eidson Field into their State EDA # 2 well and hereby waive objection to this application.

HUMBLE OIL & REFINING COMPANY
Company

By: *H. P. Stensley*

Date: May 19, 1960



ILLEGIBLE

W A I V E R

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

We have been notified of Shell Oil Company's application to dispose of produced salt water from the Eidson Field into their State EDA # 2 well and hereby waive objection to this application.

Skelly Oil Company
Company

By:

J. N. Dunlavy
J. N. Dunlavy

Date:

May 17, 1960

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
App	EXHIBIT NO. <u>1978</u>
NAME NO.	

ILLEGIBLE



SINCLAIR OIL & GAS COMPANY

P.O. BOX 1470

MIDLAND, TEXAS

MU 101 3-2761

May 23, 1960

R. L. ELSTON
VICE PRES. & DIVISION MANAGER

O. G. SIMPSON
ASSISTANT DIVISION MANAGER

C. S. TINKLER
DIVISION EXPLORATION SUPT.

J. MEFFORD
DIVISION PRODUCTION SUPT.

F. C. ROGERS
DIVISION GAS & GAS PRODUCTS SUPT.

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

We have been advised that Shell Oil Company has made application for permission to dispose of salt water by injection into the Wolfcamp formation from 10,712 to 10,734' through their State EDA Well #2, Edison Field, Lea County, New Mexico. We understand that the proposed injection well is located 330' from the South line and 947' from the West line of Section 7, T-16-S, R-35-E. We also understand that Shell plans to initially dispose of approximately 150 barrels of water per day.

Sinclair Oil & Gas Company as an offset operator has no objection to the granting of the above described salt water disposal application.

Yours very truly,

O. G. Simpson
O. G. Simpson

OGS:RMA:mk

Orig. & 1 cpy. Shell Oil Company
P. O. Box 845
Roswell, New Mexico

BEFORE EXAMINER UTZ	
L. CONSERVATION COMMISSION	
<i>[Signature]</i>	5
	1978

SHELL	
RECEIVED	
MAY 25 1960	
ROSWELL PROD.	
Divn. Mgr.	
Su. T.	☒
E. Eng.	
M. Eng.	☒
P-S Supv.	
Drig. F.	
Off. Supv.	
Discuss	Well File
Reply	Lse. File
Call Up	Field File
Destroy	Gen. Cor. ☒

ILLEGIBLE

W A I V E R

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Gentlemen:

We have been notified of Shell Oil Company's application to dispose of produced salt water from the Townsend Field into their State ETA # 1 well and hereby waive objection to this application.

UTEX EXPLORATION COMPANY
Company

By:

Julian C. Ashby

Date: May 23, 1960

BEFORE EXAMINER UTZ	
OIL CONSERVATION COMMISSION	
App. No.	EXHIBIT NO.
	1978 ⁴
Case No.	

SHELL	
RECEIVED	
MAY 24 1960	
RODNEY L. FRED.	
Divn. Mgr.	
Sgt.	F
E. Eng.	
M. Eng.	2
P-S Supv.	
Drig. F.	
Off. Supv.	
Discuss	Well File
Reply	Lse. File
Call Up	Field File
Destroy	Gen. Dir.

ILLEGIBLE

W A I V E R

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

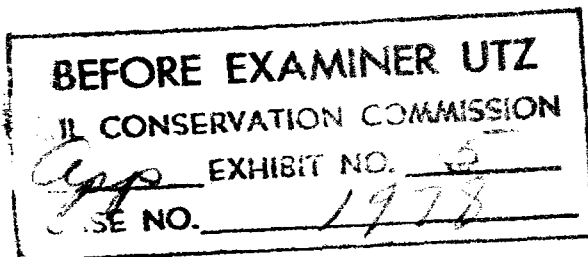
Gentlemen:

We have been notified of Shell Oil Company's application to dispose of produced salt water from the Townsend Field into their State ETA # 1 well and hereby waive objection to this application.

HUMBLE OIL & REFINING COMPANY
Company

By: H P Hensley

Date: May 19, 1960



ILLEGIBLE

SHELL	
RECEIVED	
MAY 23 1960	
ROSWELL PROD	
Divn. Mar.	<u>1</u>
Surt.	<u>2</u>
E. Eng.	
M. Eng.	<u>3</u>
P-S Supv.	
Drig. F.	
Off. Supv.	
Discuss	Well File
Reply	Lse. File
Call Up	Field File
Destroy	Gen. Cor.



OIL WELL CEMENTING CO.

RADIOACTIVITY LOG

NATURAL GAMMA RADIATION

INDUCED GAMMA RADIATION

COMPANY SHELL OIL CO. FILE WELL STATE E.T.A. #1 FIELD Townsend County Lea State N. Mex.	COMPANY SHELL OIL COMPANY		Location
	FILE		990' from N&E.
	WELL STATE E.T.A. #1		Sec. 8
	FIELD Townsend		Twp. 16-S.
	COUNTY Lea STATE New Mexico		Rge. 35-E
	SEC. 8 TWP. 16-S RGE. 35-E		MNPM survey
SURVEY MNPM		GR-NG	
		Elev. D.F. 4041'	
		K.B. 4043'	
		Grd. 4029'	

Log Measured From	Top of drive bushing	Elevation	4043'
Drilling Measured From	Top of drive bushing	Elevation	4043'
Permanent Datum	Ground level	Elevation	4029'

Type Log	GAMMA	N. GAMMA		
Run No.	ONE	ONE		
Date	8-4-54	8-4-54		
Footage Logged	10,413'	10,423'		
Total Depth, Driller	10,464'	10,464'		
Total Depth, Logged	10,463'	10,473'		
Type of Fluid in Hole	Mud	Mud		
Fluid Level		88'		
Max. Temp.	151 °F	151 °F	°F	°F
Neutron Source Strength		400mg		
Source to Center of Counter	in.	19 in.	in.	in.
Length Meas. Device-in	29 in	14 in		
O.D. of Instrument-in	3 5/8"	3 5/8"		
Time Constant-sec.	2	2		
Logging Speed Ft. min.	See remarks	See remarks		
Recorded by	Al Bracke	Al Bracke		
Witnessed by	R.C. Cabaniss	R.C. Cabaniss		



RADIOACTIVITY LOG

WELEX JET SERVICES, Inc.

LICENSED BY: WELL SURVEYS, INC.

FILE NO. _____

Location of Well	COMPANY SHELL OIL COMPANY WELL STATE EDA # 2 FIELD EDISON COUNTY LEA STATE NEW MEXICO LOCATION 660' FSL & 947' FWL OF SEC. 7 16-S 35-E N.M.P.M. SURVEY	COUNTY LEA STATE NEW MEXICO LOCATION 660' FSL & 947' FWL OF SEC. 7 16-S 35-E N.M.P.M. SURVEY FIELD EDISON WELL STATE EDA # 2 COMPANY SHELL OIL COMPANY
LOG MEAS. FROM 12' ABV. 8 5/8" CSG. FLANGE ELEV. 4059 DRLG. MEAS. FROM DERRICK FLOOR ELEV. 4559 PERM. DATUM 8 5/8" CASING FLANGE ELEV. 4047		

TYPE OF LOG	GAMMA RAY	NEUTRON	
RUN NO.	1	1	
DATE	10-6-55	10-6-55	
JOB NO.	255-485 &	102-695	
TOTAL DEPTH (DRILLER)	10760	10760	
EFFECTIVE DEPTH (DRILLER)	10758	10758	
TOTAL DEPTH (R/A LOG)	10768	10768	
TOP OF LOGGED INTERVAL	50	50	
BOTTOM OF LOGGED INTERVAL	10757	10766	
TYPE OF FLUID IN HOLE	OIL & FORMATION WATER		
FLUID LEVEL	379	379	
MAXIMUM RECORDED TEMPERATURE		600N	
NEUTRON SOURCE STRENGTH & TYPE		3.75	
SOURCE SPACING—IN.		9.1	
LENGTH OF MEASURING DEVICE—IN.	30	3 5/8	
O.D. OF INSTRUMENT—IN.	3 5/8	3.9	
TIME CONSTANT—SECONDS	5.3	40	
LOGGING SPEED FT./MIN.	2" 40	20	
	5" 20		
STATISTICAL VARIATION—IN.	0.25	0.3	
SENSITIVITY REFERENCE	274	275	
RECORDED BY	MONDEN	MONDEN	
WITNESSED BY	CABINESS	CABINESS	

CASING RECORD				BORE HOLE			
INTERVAL				INTERVAL			
SIZE—INS.	WT.—LB.	FROM WELL RECORD	FROM R/A LOG	BIT SIZE INS.	FROM WELL RECORD	FROM R/A LOG	
13 3/4		SURF To 332	To		To	To	
8 5/8		SURF To 4674	To		To	To	
5 1/2		SURF To 10759	To		To	To	
		To	To		To	To	

REMARKS OR OTHER DATA

C209 NEUTRON CHAMBER USED
 SENSITIVITY SHOWN IS BOTTLE SENSITIVITY

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY <u>Lea</u> FIELD or LOCATION <u>Eidson</u> WELL <u>State EDA # 2</u> COMPANY <u>Shell Oil Co.</u>	COMPANY <u>SHELL OIL CO.</u>	Location of Well <u>330' f SL</u> <u>947' f WL</u> <u>Sec. 7-16S-35E</u>
	WELL _____ STATE <u>EDA # 2</u>	
	FIELD <u>EIDSON</u>	ES (ML)
	LOCATION <u>SEC. 7-16S-35E</u>	
	COUNTY <u>LEA</u>	Elevation: D.F.: <u>4059</u> K.B.: _____ <u>644</u> or G.L.: _____
STATE <u>NEW MEXICO</u>	FILING No. _____	

RUN No.	1				
Date	12-31-53				
First Reading	10749				
Last Reading	4676				
Feet Measured	6073				
Csg. Schlum.	4676				
Csg. Driller	4674				
Depth Reached	10752				
Bottom Driller	10750				
Depth Datum	1' Aby. RT				
Mud Nat.	Gel-Chemicals				
" Density	9.2				
" Viscosity	61				
" Resist.	1.9 @ 44 °F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	0.6 @ 55 °F	@ °F	@ °F	@ °F	@ °F
" pH	@ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F					
Bit Size	7 7/8"				
Spcgs.—AM	10"				
A	32" 15				
AO	19				
Opr. Rig Time	2 1/2 hrs.				
Truck No.	1162 Hobbs				
Recorded By	Reinders				
Witness By	Caban				

FOLD HERE

REMARKS

Case 1978

SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



Electrical Log

COUNTY Lea
FIELD or LOCATION Townsend-Wolfcamp
WELL State ETA # 1
COMPANY Shell Oil Co.

COMPANY SHELL OIL CO.

WELL STATE ETA # 1

FIELD TOWNSEND-WOLFCAMP

LOCATION SEC. 8-16S-35E

COUNTY LEA

STATE NEW MEXICO

Location of Well
990' N&E/L
Sec. 8-16S-35E

ES
(ML)

Elevation: D.F.: 4041

K.B.:

But or G.L.:

FILING No.:

RETURN TO:
CENTRAL FILES
AND LITARE
NEW MEXICO
LOG FILES
BOGAY 1107

RETURN TO:
MIDLAND AREA
PRODUCTION
LOG FILES

FOLD HERE

REMARKS

RUN No.	1				
Date	7-31-54				
First Reading	10448				
Last Reading	4653				
Feet Measured	5795				
Csg. Schlum.	4653				
Csg. Driller	4653				
Depth Reached	10551				
Bottom Driller	10492				
Depth Datum	KB 14' Adv. GL				
Mud Nat.	Chemicals				
" Density	9.2				
" Viscosity	55				
" Resist.	1.1 @ 76°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	.53 @ 160°F	@ °F	@ °F	@ °F	@ °F
" pH	11 @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	8 CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	160				
Bit Size	7 7/8"				
Spcgs.—AM	10"				
A	32" LS				
AO	19'				
Opr. Rig Time	2 Hrs.				
Truck No.	1760-Hobbs				
Recorded By	Maxwell				
Witness By	Cabaniss				