

14-00000 0033

CASE NO. 14

APPLICATION

10,000/1. The production from the Drinkard formation has steadily

declined to an average daily production of approximately 24 barrels of oil per day with a gas-oil ratio of 20,000/1.

4. That the oil string or production casing in said well is 7-inch, 23# casing set at 7550 feet and cemented with 300 sacks of cement with the top of the cement being 5400 feet based on temperature survey.

5. That the defined limits of the D-K Abo common source of supply are the same as the D-K Drinkard common source of supply, as set forth in Commission Order R-790 and consist of the following described area in Lea County, New Mexico, to-wit:

Township 20 South, Range 39 East, N. M. P. M.

Section 19: S/2

Section 30: N/2

6. Applicant proposes to dually complete said well by drilling out the plug now between the two formations and set a Baker Model "D" production packer at 7200 feet and run 2-3/8" E.U.E. tubing with stinger through the packer to produce the oil from the Abo formation through a low pressure line into a low pressure treater and thence to the tank battery. Applicant also proposes to run another string of 2-3/8" E.U.E. tubing to approximately 7000 feet without a packer and produce the oil from the Drinkard formation through a separate flow line into a high pressure separator thence to the tank battery. With such an arrangement, each formation may be separately tested for oil and gas production and for bottom hole pressures.

7. That the cost of drilling, equipping, completing and producing of a well to either formation does not justify additional drilling in these pools because of the rapid rate of depletion, thus known recoverable reserves will probably not be produced and saved and thereby cause waste unless or until new or additional means of producing such wells are used.

8. Texas Crude Oil Company is the only other interested operator in the D-K Abo and D-K Drinkard pools and said company has been furnished with a copy of this application.

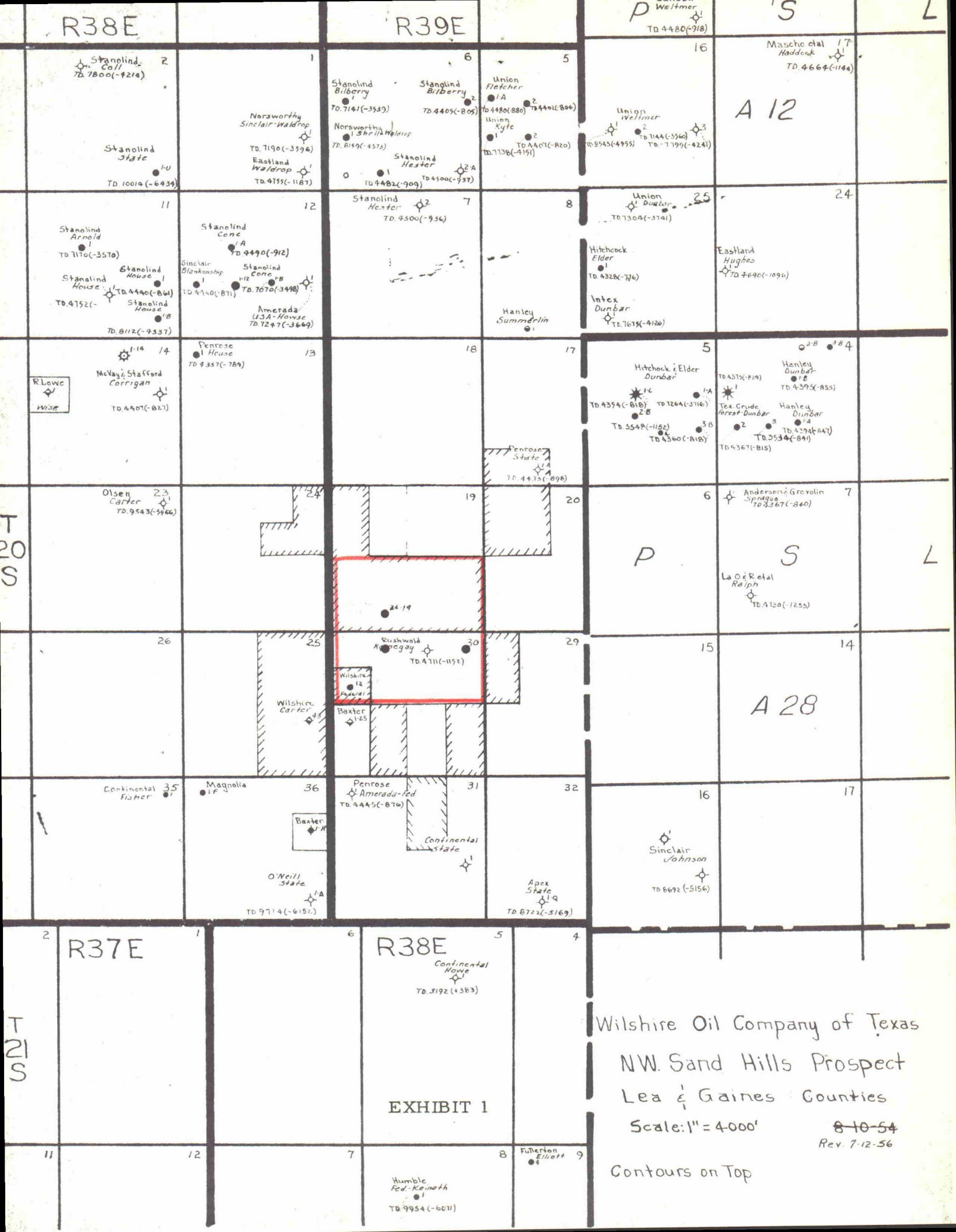
9. Applicant attaches hereto, and by reference makes a part hereof, Exhibit 1-Plat of the D-K Abo and D-K Drinkard Pools; Exhibit 2-Diagrammatic Sketch of Proposed Dual Completion Equipment; and Exhibit 3-Small Scale Schlumberger Electrical Log of said well.

WHEREFORE, Wilshire Oil Company of Texas, the Applicant herein, prays that the Commission set this application for a hearing at such time and place as the Commission may designate, and that notices be issued according to law, and that the application be granted, and that the Commission promulgate such rules as may be necessary in the premises.

Respectfully submitted,

WILSHIRE OIL COMPANY OF TEXAS

By 
Clyde N. Stone, its Attorney
301 Leggett Building
Midland, Texas



Dual valve head to be used
on Xmas tree w/ separate flow
lines to the tank battery

Drinkard

Perf: 6945-7124
Prod: 24 Eopd
GOR: 20,000
Grav: 42°
Cut: 16%

2" EUE tubing to
Drinkard

Baker Model D
to be set @ 7200

Baker Model K @ 7200
To be drilled out

AEJ

Perf: 7218-7418
Prod: 20 Eopd
GOR: 42,000
Grav: 37.5°
Cut: 9.1%

2" EUE tubing thru
phr to AEJ

7" 23# csg @ 7550
w/ 300 sxs
Top of cement 5400

WILSHIRE OIL COMPANY TEXAS

D-K Field
Lea Co, New Mexico
Federal 12-30
Sec 30 20S-39E

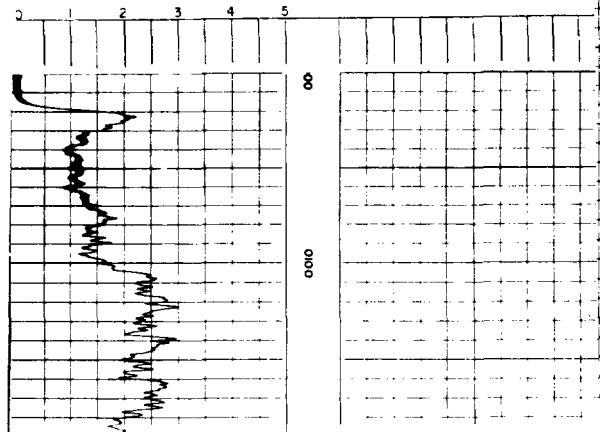
Reproduced By
West Texas Electrical Log Service
 1305 Commerce Street
 Dallas 1, Texas

REFERENCE N^o W4725 -B

SCHLUMBERGER WELL SERVICE CORPORATION HOUSTON, TEXAS																
 Electrical Log																
COUNTY FIELD or LOCATION WELL COMPANY OF TEXAS	COMPANY WILSHIRE OIL CO. WELL FEDERAL # 12-30 FIELD WILDCAT LOCATION SEC.30-20S-39E COUNTY LEA STATE NEW MEXICO	Location of Well 1980' f NL 660' f WL Sec.30-20S-39E ES-GRL (ML) Elevation: D.F.: 3575 K.B.: or G.L.: 3565 FILING No.														
	RUN No. 1 Date 7-16-54 First Reading 9677 Last Reading 4494 Feet Measured 5183 Csg. Schlum. 4494 Csg. Driller 4490 Depth Reached 9680 Bottom Driller 9678 Depth Datum 11' Aby. GL Mud Nat. Caustic+Qbr. Density 9.3 Viscosity 42 Resist. 0.08 @ 73 F Res. BHT 0.52 @ 142 F pH 9.2 @ Wtr. Loss 12 CC 30 min. Max. Temp. 142 Bit Size 8 3/4" Spcgs. AM 10" A 32" LS AO 19" Opr. Rig Time 3 Hrs. Truck No. 120-110550 Recorded by Scott Witness By															
	REMARKS THIS IS NOT A COMPLETE REPRODUCTION OF THE ORIGINAL LOG															
	<table border="1"> <thead> <tr> <th>SPONTANEOUS-POTENTIAL millivolts</th> <th>DEPTHS</th> <th>RESISTIVITY -ohms. m²/m</th> </tr> </thead> <tbody> <tr> <td>-15 +</td> <td>2"/100</td> <td>0 10" Normal 100</td> </tr> <tr> <td></td> <td></td> <td>0 1000</td> </tr> <tr> <td>0</td> <td></td> <td>0 32" LS Lateral 90</td> </tr> <tr> <td colspan="3">Radioactivity Increases →</td> </tr> </tbody> </table>		SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY -ohms. m ² /m	-15 +	2"/100	0 10" Normal 100			0 1000	0		0 32" LS Lateral 90	Radioactivity Increases →	
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-15 +	2"/100	0 10" Normal 100														
		0 1000														
0		0 32" LS Lateral 90														
Radioactivity Increases →																

GAMMA RAY CALIBRATION - (Two Detectors)
 B 85, S 183 - 190 cps 200 Divisions 200 Sensitivity cal

SCALE OF LOG
 Micrograms Radium Equivalent/Ton of Formation



R38E

R39E

P
TD 4480(-918)

S

L

Stanolind
Coll
TD 7800(-9214)

Stanolind
State
1-U
TD 10014(-6934)

Norsworthy
Sinclair-Waldrop
TD 7190(-3596)

Eastland
Waldrop
TD 4755(-1187)

Stanolind
Bilberry
TD 7141(-3539)

Norsworthy
Sinclair-Waldrop
TD 7149(-4575)

Stanolind
Hester
TD 4482(-909)

Stanolind
Bilberry
TD 4405(-805)

Union
Fletcher
TD 4480(-880)

Union
Kyte
TD 4407(-820)

Union
Wellmer
TD 7138(-4151)

Mascho et al
Haddock
TD 4664(-1144)

A 12

Stanolind
Arnold
TD 7170(-3570)

Stanolind
House
TD 4752(-)

Stanolind
House
TD 4440(-861)

Stanolind
House
TD 8112(-4537)

Stanolind
House
TD 4490(-912)

Sinclair
Blankenship
TD 4440(-871)

Stanolind
Cone
TD 7070(-3498)

Amerada
USA-Howse
TD 7247(-3669)

Stanolind
Hester
TD 4500(-936)

Union
Dunbar
TD 7304(-3741)

Hitchcock
Elder
TD 4328(-776)

Intex
Dunbar
TD 761X(-4126)

Eastland
Hughes
TD 4640(-1096)

Hanley
Summerlin

R. Lowe
Wise
TD 4407(-827)

McVay & Stafford
Corrigan
TD 4407(-827)

Penrose
House
TD 4357(-789)

Hitchcock & Elder
Dunbar
TD 4374(-818)

TD 7264(-3716)

TD 3549(-1152)

TD 4360(-818)

TD 4367(-815)

TD 4370(-829)

TD 4395(-855)

Tex Grude
Forest-Dunbar
TD 4394(-647)

TD 3534(-841)

Olsen
Carter
TD 9543(-966)

Penrose
State
TD 4435(-898)

Anderson & Grevolin
Sprague
TD 4367(-840)

La O'Real
Ralph
TD 4720(-1255)

24-19

Rushworth
K. McGary
TD 4711(-1152)

Wilshire
Carter
Baxter
1-25

Continental
Fisher
35

Magnolia
1-3

Penrose
Amerada-Fed
TD 4445(-876)

Continental
State

O'Neill
State
1-A
TD 9774(-6152)

Apex
State
TD 8722(-5169)

Sinclair
Johnson
TD 8692(-5156)

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
1145, EXHIBIT No. 1
CASE Wilshire

R37E

R38E

Continental
Howe
TD 3192(-383)

EXHIBIT 1

Wilshire Oil Company of Texas
NW. Sand Hills Prospect
Lea & Gaines Counties
Scale: 1" = 4000'

8-10-54
Rev. 7-12-56

Contours on Top

Humble
Fed-Kenneth
TD 9954(-6011)

Fullerton
Elliott

Texas Crude Oil Company

6100 Camp Bowie Boulevard

P. O. Box 9846

Fort Worth 7, Texas

REPLY TO
204 V & J TOWER BUILDING
MIDLAND, TEXAS

July 24, 1956

Wilshire Oil Company of Texas
Leggett Building
Midland, Texas

Re: Your Federal 12-30 well
SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 30, T-20-S,
R-39-E, Lea County, New
Mexico

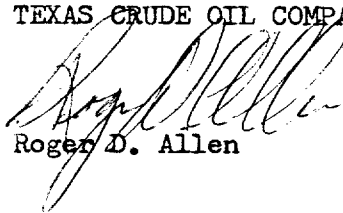
Attention: Mr. Clyde N. Stone

Gentlemen:

This will serve as your authorization as far as Texas Crude Oil Company is concerned to proceed with the dual completion of your above well, subject, of course, to approval of the appropriate state regulatory bodies.

Very truly yours,

TEXAS CRUDE OIL COMPANY


Roger D. Allen

RDA:ch

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Wilshire EXHIBIT No. 2
CASE 1145

FEDERAL 12-30
D-K DRINKARD FIELD
LEA COUNTY, NEW MEXICO

PRODUCTION HISTORY

A B O	
Month	Oil
August, 1954	3,073
September	1,701
October	2,306
November	2,518
December	2,499
Total - 1954	<u>12,097</u>
January, 1955	2,169
February	2,027
March	1,717
April	1,511
May	1,275
June	1,205
July	1,227
August	1,101
September	933
October	943
November	874
December	569
Total - 1955	<u>15,551</u>
Total from Abo	<u>27,648</u>

DRINKARD		
Month	Oil	Gas
December, 1955	1,060	
Total - 1955	<u>1,060</u>	
January, 1956	1,348	
February	1,010	
March	1,000	
April	941	20,137
May	823	16,533
June	734	15,826
July	699	15,678
Total - 1956	<u>6,555</u>	<u>68,174</u>
Total from Drinkard	<u>7,615</u>	<u>68,174</u>

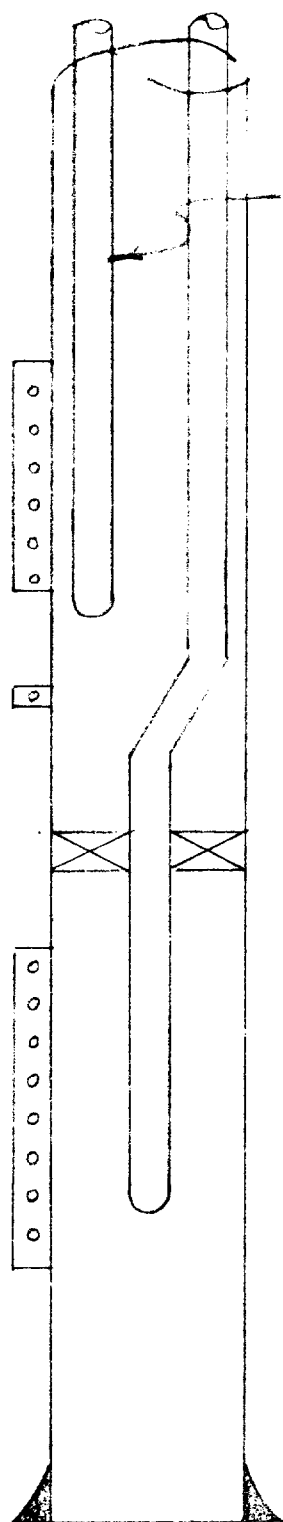
Total from Drinkard and Abo 35,263
Avg. price gas from Drinkard 4.9¢/Mcf

BEFORE THE
OIL AND GAS COMMISSION
STATE OF NEW MEXICO
Wilshire EXHIBIT No. 3
CASE 1145

Dual valve head to be used
on Xmas tree w/ separate flow
lines to the tank battery

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
Wilshire EXHIBIT No. 4
CASE 1145

Drinkard
Perf: 6945-7124
Prod: 24500d
GOR: 20,000/1
Gvc: 42°
Cut: 16%



2" EUE tubing to
Drinkard

Baker Model D
to be set @ 7200

Baker Model K @ 7200
To be drilled out

Abo
Perf: 7248-7418
Prod: 20 Bopa
GOR: 4200/1
Gvc: 37.5°
Cut: 8 1/2%

2" EUE tubing thru
pkr to Abo

7" 23# csg @ 7550
w/ 300 hrs
Top of cement 5400

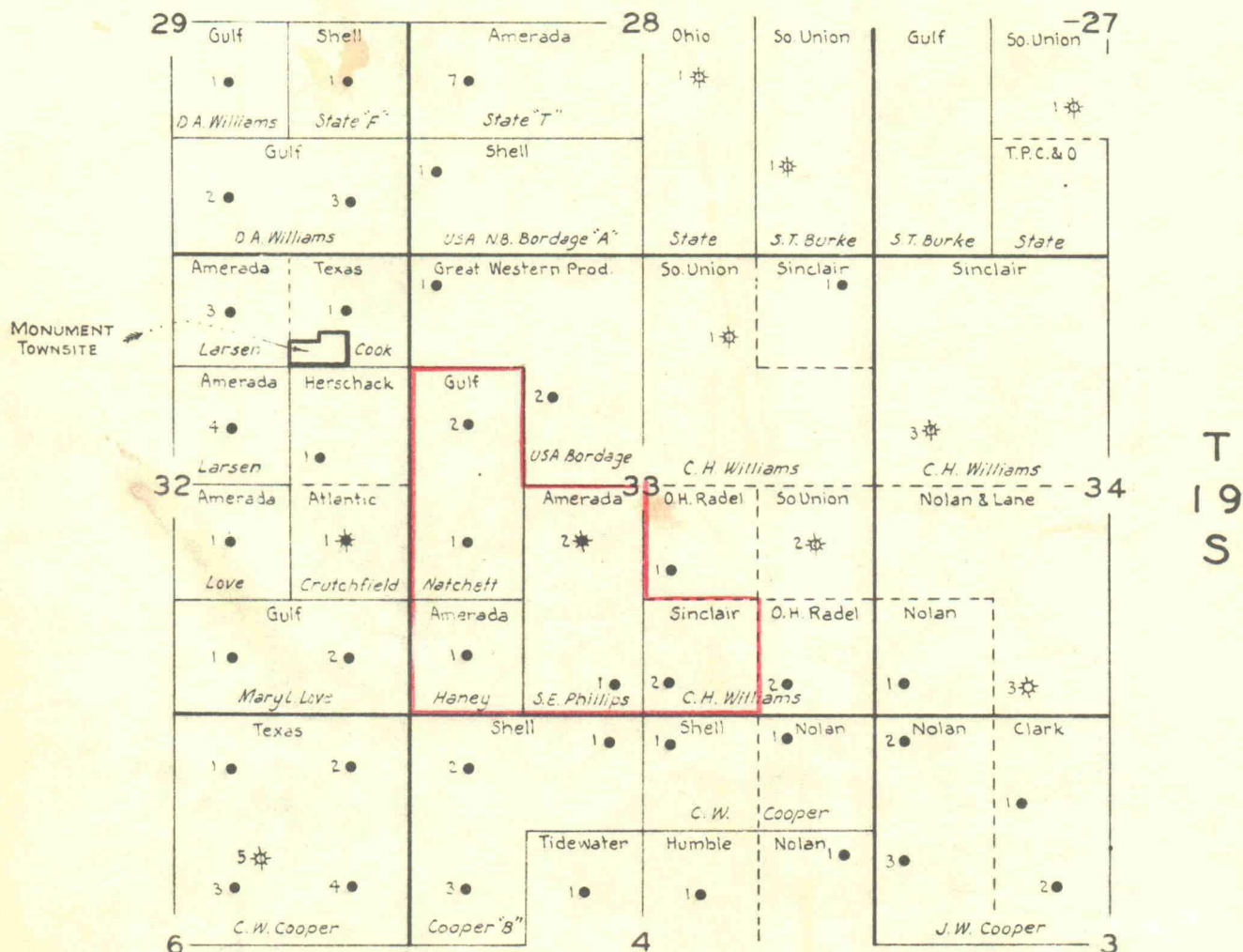
WILSHIRE OIL COMPANY OF TEXAS

D-K Field
Lea Co, New Mexico
Federal 12-30
Sec 30 20S-39E

EXHIBIT 2

6-17-56

R 37 E



SARAH PHILLIPS GAS UNIT

SW/4 and SW/4 of the NW/4 and SW/4 of the SE/4 of

Sec. 33, T-19-S, R-37-E

Lea County, New Mexico

Staler 1" = 2000'