

FILE NOTATIONS

Entered in NID File ✓
 Entered On SRS Sheet ✓
 Location Map Placed ✓
 Card Indexed ✓
 WWR for State or Fee Land _____

Checked by Chief ✓
 Copy NID to Field Office ✓
 Approval Letter _____
 Disapproval Letter _____

COMPLETION DATA:

Date Well Completed 12-4-55
 OW _____ WW _____ TA _____
 GW _____ OS _____ PA X

Location Inspected _____
 Bond released _____
 State of Fee Land _____

LOGS FILED

Driller's Log ✓
 Electric Logs (No. 1)
 E ✓ I _____ EI _____ GR _____ GRN _____ Micro _____
 Lat _____ M-L _____ Sonic _____ Other _____

Scout Report sent out

Noted in the NID File

Location map pinned

Approve or Disapproval Letter

Date Completed, P. & A. or
operations suspended

12-6-55

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed



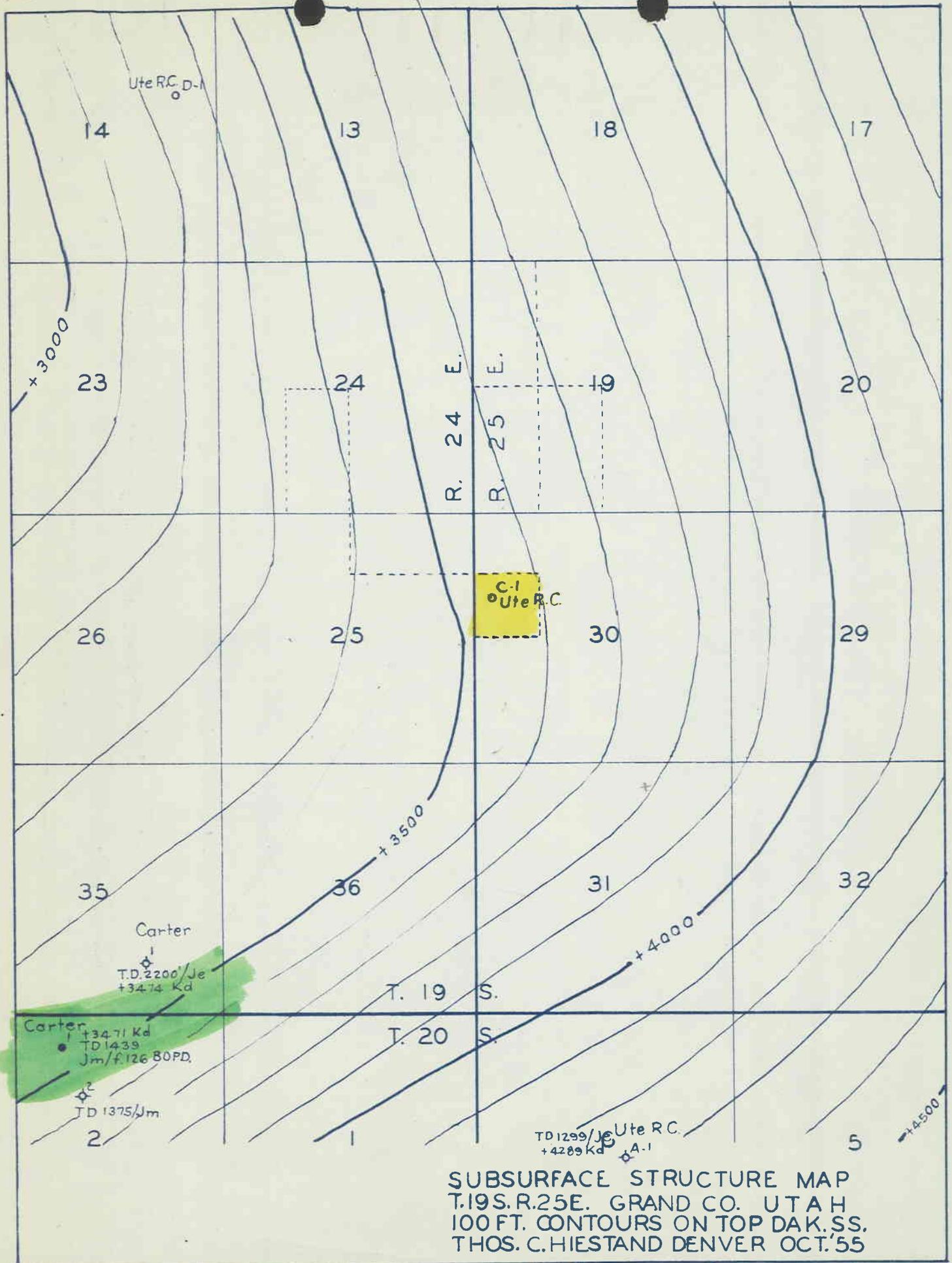


Exhibit "A" J.C. Hiestand Nov. 7, 1955

Township 19S ^{South} _{North} Ranges 24 + 25 ^{East} _{West} S.L.M. Principal Meridian
Grand County, Utah

36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6
12	7	8	9	10	11	12	7
13	18	17	16	15	14	13	18
24	19	20	21	22	23	24	19
25	30	29	28	27	26	25	30
36	31	32	33	34	35	36	31
1	6	5	4	3	2	1	6

-  Texota Oil Company
-  Garter Oil Company
-  Gart kosey - Fruita, Colorado
-  Groff Oil Co. (Not Affected by location)

TEXOTA OIL COMPANY
3101 WINTHROP AVENUE
P. O. Box 9338
FORT WORTH 7, TEXAS

November 3, 1955

REPLY TO
1640 COURT PLACE
DENVER, COLORADO

Mr. Herbert F. Smart
Oil and Gas Conservation Commission
State of Utah
Capitol Building
Salt Lake City, Utah

Dear Commissioner:

Application and appended exhibits "A" and "B" are enclosed for the Commission to examine and approve; if there are any questions meanwhile will you please call me collect, AComa 2-0685.

A copy of the application has been sent to Carter Oil Company, care of Mr. Farmer, Box 472, Vernal, Utah; and request has been made for the Carter to have letter addressed to the Commission indicating consent in the enclosed application. Also, Carl Losey, Fruita, Colorado, has been requested to address letter to the Commission indicating his consent in the enclosed application.

Very truly yours,

TEXOTA OIL COMPANY

By *J. Q. Hiestand*
Thomas C. Hiestand
Chief Geologist

cc: Verne Farmer, Carter Oil Company, Vernal, Utah
C. Harrison Cooper, Ft. Worth offices

BEFORE THE OIL AND GAS CONSERVATION COMMISSION

OF THE STATE OF UTAH

APPLICATION FOR APPROVAL OF NOTICE OF INTENTION TO DRILL)
WELL FOR OIL AND GAS: TEXOTA OIL COMPANY NO. 1-C FEDERAL)
NW SW NW, 330 FT. FROM WEST AND 330 FT. FROM NORTH LINES)
OF LOT 2, SECTION 30, TOWNSHIP 19 SOUTH, RANGE 25 EAST SLM,)
GRAND COUNTY, UTAH)

CAUSE NO. _____

Texota Oil Company, with principal offices at 3101 Winthrop Avenue, Fort Worth 7, Texas, and regional offices at 1640 Court Place, Room 308, Denver 2, Colorado, submits this application to the Commission for the purpose of obtaining approval of the Form, Notice of Intention to Drill, the No. 1-C Federal well, which Form is being filed separately with the Commission and is made a part hereof by reference, together with the Plat, showing ownership of lands and leases by tracts surrounding the well location.

Appended to this application and made a part hereof by reference are the Exhibits marked "A" and "B" and signed and dated by the applicant's representative.

(1)

Oral discussion of the conditions connected with this application have been held between Texota's representative and the Commission's consultant, Mr. Hauptman. This discussion reviewed the fact that on September 29, 1955, the Commission became responsible for the enforcement of Rules governing oil and gas operations in Utah, among which rules one in effect is indicated as follows. No well shall be located at a distance from lease property lines less than 500 feet without the express consent of lessee to which the offsetting property or properties belong, and unless the Commission finds in the operator's application the drilling at a lesser distance will not cause waste of oil and gas.

(2)

Exhibit "A" is a Subsurface Structure Map, scale is two inches per mile, covering the drill site designated by yellow water color and vicinity.

Among the wells which have been drilled for oil and gas and shown on the map, the Carter Oil Company No. 1 Larson-State, C NE NW 2-20S-24E, wildcat oil discovery well, Seiber pool, is designated by green water color. The Carter's No. 2 Larson-State, NE SE NW Section 2, measures 1000 feet from the oil discovery but it failed to produce oil due to the narrow shoe-string deposit of the productive sand. One-half miles northeast of the oil discovery well is the Carter No. 1 Henroid-Federal, NE SW SE Section 35, which is another dry hole attesting to the narrowness of the productive sand deposit at the Seiber pool.

These situations are mentioned as evidence to explain the necessity for adhering to a pattern of well locations 330-feet from property lines or 660-feet between wells in the vicinity of the Seiber pool where an operator is in search of the type of productive sand known to exist.

(3)

Exhibit "B" is electrical log of the Carter No. 1 Henroid-Federal, 35-19S-24E., whereon names of geological formations are indicated as follows. Depths to top of Dakota sandstone beds, 1154 feet; Morrison formation, 1290 feet; Seiber sand (green water color) 1447 to 1456 feet of sandy shale or silt, non-productive; Salt Wash member of Morrison formation, 1638 feet; Summerville-Curtis formation, 1866 feet; Entrada sandstone, 1984 feet; total depth 2202 feet. This log is used as the exhibit in order to reach the Entrada sandstone, which is the formation to be penetrated in the Texota Oil Company's No. 1-C Federal well for which this application is submitted.

Texota's files contain private information which has not been completely confirmed by the Carter Oil Company pertaining to the No. 1 Larson-State oil discovery well at the Seiber pool, as follows. Depths to the geological formations include: top of Dakota sand, 1120 feet; Morrison formation, 1200 feet; Seiber sand (oil productive) from 1429 to 1939 feet. Seven-inch O.D. casing was cemented at 1430½ feet with 50 sacks. Sand-frac treatment was given and the well was reported initially, flowing 126 barrels of oil per day through 2½-inch tubing, 38-degrees A.P.I. gravity. The oil is trucked to Salt Lake City. The completion date recorded for the well is February 17, 1955. Unofficial reports indicate present daily production fluctuates between 15 and 20 barrels of oil per day. Texota files contain no productivity index figures or pressure declines. Records show in a drill stem test, Carter No. 1 Henroid-Federal, 1419-1465 feet, after shut in 30 minutes the bottom hole pressure was 530 psia.

The applicant's representative finds nothing in the depth of producing sand, the production decline, original formation pressure, or the apparent narrowness of the shoe-string productive sand deposit, which would indicate that waste of oil and gas could be attributed to well location dimensions of 330 feet from lease lines and 660 feet between development wells. On the other hand the evidence does indicate that the 330-foot-from-lease-lines for location dimensions will reduce the ratio of dry holes per producing oil well and thereby reduce economic waste and inversely will prevent physical waste of oil not recovered for lack of adequate drainage. Likewise these well location dimensions will be compatible with secondary recovery methods such as gas repressuring and water flooding.

(4)

Exhibit "A" has 100-foot structure contours drawn on top of the Dakota sandstone. There are no closing contours to denote any anticlinal folding at the Seiber pool nor at the Texota well location in Section 30. The dry holes drilled southeast of the Seiber pool, the one in Section 2, and the one in Section 6, make evident the productive sand is enveloped in shale beds on the up-dip, southeastern, perimeter and that accumulation of oil is in a stratigraphic trap.

(5)

Texota Oil Company selected the location for No. 1-C Federal well on or about September 10, 1955, and agreed with assignor and with Carter Oil Company at the same time to assume obligation to drill the well to a total depth of about 2100 feet in order to test the formations which produce oil and gas in the district, including the Dakota sandstone, 1100 feet; members of Morrison formation, 1200 feet, and Entrada sandstone, 1950 feet. This program was undertaken before the Rules became effective however, the applicant assumes the position that the Rules are intended to provide legal means for any and all well location dimensions which are properly adapted to geological conditions and conservation measures.

(6)

Therefore this application is respectfully submitted for the Commission's approval of the Notice of Intention to Drill mentioned in the caption, dated this 2nd day of November, 1955.

TEXOTA OIL COMPANY

By *J. C. Hiestand*
Thomas C. Hiestand
Chief Geologist

Fruita, Colorado
November 3, 1955

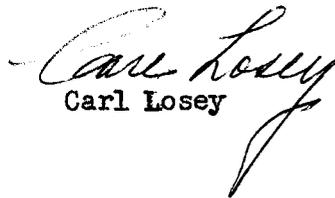
Mr. Herbert F. Smart
Oil and Gas Conservation Commission
State of Utah
Capitol Building
Salt Lake City, Utah

Dear Sir:

Earl M. Henderson, Texota Oil Company, Denver offices, has informed me that application has been submitted to the Commission for approval of Notice of Intention to Drill well for oil and gas: Texota Oil Company No. 1-C Federal, NW SW NW, 330 feet from west and 330 feet from north lines of Lot 2, Section 30, Township 19 South, Range 25 East SLM, Grand County, Utah.

This letter indicates my consent in this application, as owner of an oil and gas lease on lands adjacent to the well site mentioned above, and I urge the Commission to approve the Application.

Very truly yours,


Carl Losey

November 4, 1955

AIR MAIL

Texota Oil Company
P O Box 9338
Fort Worth 7, Texas

Gentlemen:

Receipt is acknowledged of your notice of intention to drill Well No. 1-C, which is to be located 1650 feet from the north line and 330 feet from the west line of Section 30, Township 19 South, Range 25 East, SDM, Grand County.

Please be advised that on examination of said notice and attached exhibits, it appears that sufficient geological or topographical data has not been presented to justify approval by the Commission under Rule C-3 (c), General Rules and Regulations, Utah Oil and Gas Conservation Commission, of the above mentioned unorthodox location.

Yours very truly,

LEE E YOUNG
SECRETARY

jjg
cc: D. Russell
Geological Survey
Federal Bldg, City

Memo for the File.

Subject:
Texota Oil Company -
Request for Exception to
locating proposed drilling
site - Well # 1-C
SW⁴ NW⁴ Sec. 30, T. 19S, R. 25E.

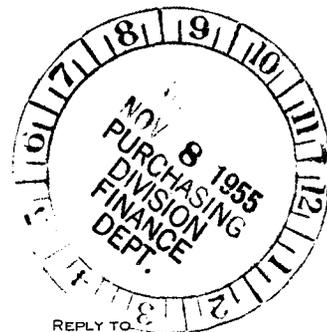
After reviewing T.C. Heistands letter of Nov 3, 1955 together with N. of D. to Drill # 1-C and attached exhibits, it is my opinion that sufficient geological data has not been presented to justify approval by the Commission of the proposed location of Well # 1-C as submitted.

Inasmuch as the general area is known to be low pressure in zones of production, also - thus far - that the nearest productive well (Carter - NW Sec 2/20S/24E) is apparently located in a small pool or trap, and cannot ~~be~~ justifiably be used as criteria on the well location ^{and} varies but 130' N. and 150' W. from the regulation drilling site within the 40 acre tract.

Nov. 4, 1955.

Charles A. Hauptman
Petroleum Engineer.

TEXOTA OIL COMPANY
3101 WINTHROP AVENUE
P. O. Box 9338
FORT WORTH 7, TEXAS



REPLY TO:
1640 COURT PLACE
DENVER, COLORADO

November 7, 1955

AIRMAIL
SPECIAL DELIVERY

Mr. Herbert F. Smart
Oil and Gas Conservation Commission
State of Utah
Capitol Building
Salt Lake City, Utah

Dear Sir:

Referring to Texota Oil Company No. 1-C Federal Lease, Notice of Intention to Drill, filed October 31, 1955, Texota hereby amends said notice for location to be regular to spacing rule by changing dimensions to (1980 feet from north and 660 feet from west line of Section 30, Township 19 south, Range 25 east, SLM.)

Application for Surety Bond to meet federal requirements has been applied for.

Yours very truly,

TEXOTA OIL COMPANY

Earl M. Henderson
Earl M. Henderson

EMH/se

cc: C. Harrison Cooper
Ft. Worth offices

*W/ ref to your Notice of Intention to Drill
& your letter of Nov 7, 55, please be
advised P.C. 1980 ft. L.C. 660 ft.*

Lee E Young

November 8, 1955

AIRMAIL

Tecota Oil Company
3101 Winthrop Avenue
P. O. Box 9338
Fort Worth 7, Texas

ATTENTION: Mr. Earl M. Henderson

Dear Mr. Henderson:

With reference to your Notice of Intention to Drill, dated October 13, 1955, and your letter of November 7, 1955, please be advised that approval is granted to drill well No. 1-C, 1980 feet from north and 660 feet from west line of Section 30, Township 19 South, Range 25 East, Salt Lake Meridian.

Very truly yours,

LEE E. YOUNG
SECRETARY

CBF:ro

cc: D. Russell, Geological Survey, Federal Building, Salt Lake City,
C. Harrison Cooper, P. O. Box 9338, Fort Worth 7, Texas

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from **0** feet to **1958** feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which **D & A** % was oil; _____ %
 emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller
R. J. Rutherford, Driller
J. T. Toney, Driller
 _____, Driller
Frank B. Haynes, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	150	150	Shale w/sand strks
150	1046	896	Shale w/limy shale strks
1046	1066	20	Sand
1066	1124	58	Shale
1124	1140	16	Conglomerate
1140	1146	6	Shale
1146	1154	8	Conglomerate Sand
1154	1158	4	Shale
1158	1172	14	Conglomerate Sand
1172	1344	172	Shale & Sandy shale
1344	1354	10	Conglomerate
1354	1496	102	Shale & Limy Shale
1496	1504	8	Limy Sand
1504	1718	214	Shale
1718	1724	6	Limy Sand
1724	1869	145	Shale
1869	1958	89	Sand
T.D.	1869		

REPORT-

NO-

LOGGY BOOK

(OVER)

REVISION

16-45094-2

ROYALTY RECORD - CONTINUED

STATE OF UTAH
OIL AND GAS CONSERVATION COMMISSION
AFFIDAVIT AND RECORD OF ABANDONMENT AND PLUGGING

PLUGGING METHODS AND PROCEDURE: - The methods and procedure for plugging a well shall be as follows: (a) The bottom of the hole shall be filled to, or a bridge shall be placed at, the top of each producing formation open to the well bore, and in either event a cement plug not less than fifty (50) feet in length shall be placed immediately above each producing formation open to the well bore whenever possible.

(b) A cement plug not less than fifty (50) feet in length shall be placed at approximately fifty (50) feet above and below all fresh water bearing strata.

(c) A plug shall be placed at or near the surface of the ground in each hole.

(d) The interval between plugs shall be filled with heavy mud laden fluid.

(e) The hole shall be plugged with heavy mud up to the base of the surface string at which point a plug of not less than fifty (50) feet of cement shall be placed.

Field or Pool Wildcat County Grand

Lease Name Federal Well No. 1 "C" Sec 30 Twp 19-S Range 25-E

Date well was plugged 12-6, 1955

Was the well plugged according to regulation of the Commission? yes

Set out method used in plugging the well, the nature and quantities of materials used in plugging, size of plugs, location and extent (by depths) of the plugs of different materials, and the amount of casing left in hole, (giving size, top and bottom elevations of each section of abandoned casing)

Surface casing left in hole 183'-8 5/8" cemented W/75 sks. Pumped 2 1/2 sk. 60" cement plug 1958' to 1898'; 20" sk. 60" cement plug at 1030' to 970'; 15 sk. 40" cement bottom of surface 185' to 145'; 5 sk. 15" plug at surface. Hole filled with heavy mud.

Operator TEXOTA OIL COMPANY

Address 3101 Winthrop

Fort Worth, Texas

AFFIDAVIT

STATE OF ~~KKAK~~ Texas

COUNTY OF Tarrant

Before me, the undersigned authority, on this day personally appeared J. W. Vater, Jr. known to me to be the person whose name is subscribed to the above instrument and being by me duly sworn on oath states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct.

Subscribed and sworn to before me this 15th day of December 1955

My Commission Expires: June 1, 1957

Loren Aman
(Notary Public)

INSTRUCTIONS: Complete this form in duplicate and mail both copies to the Oil and Gas Conservation Commission, Room 105, Capitol Bldg, Salt Lake City 14, Utah.