STATE OF KANSAS
STATE CORPORATION COMMISSION
200 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

TYPE OR PRINT
NOTICE: Fill out completely and return to Cons. Div. office within 30 days.

API NUMBER 15-163-03905-0000

LEASE NAME Nettie Unit

WELL NUMBER 8-7

____ Ft. from S Section Line

____ Ft. from E Section Line

SEC. 3 TWP. 10S RGE. 17W (E) or (W)

COUNTY Rooks

Date Well Completed ____

Plugging Commenced 8-21-90

Plugging Completed 8-31-90

LEASE OPERATOR Phillips Petroleum COmpany

ADDRESS Rt #3 Box 20-A Great Bend,KS.

PHONE#(316) 793-8421 OPERATORS LICENSE NO. 5229

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on ____ (date)

by ____ (KCC District Agent's Name).

Is ACO-1 filed? ____ If not, is well log attached? ____

Producing Formation ____ Depth to Top ____ Bottom ____ T.D. 3513'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS | CASING RECORD

Formation	Content	From	To	Size	Put in	Pulled out
				10 3/4"	328'	none
				5 1/2	3511'	none

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from __ feet to __ feet each set.

Sanded bottom to 3075' dumped 5 sacks cement. Shot pipe @1400', 800', 175'. Down 5 1/2" casing @600# max pressure. Mixed 5 sacks cement and shut in @300#. Down annulis 8 5/8" casing @100# max pressure mixed 15 sacks cement and shut in @800#

(If additional description is necessary, use BACK of this form.)

380 sacks 65/35 poz 10% gel.

Name of Plugging Contractor KELSO CASING PULLING, INC. License No. 6050

Address P.O. Box 347 Chase, Kansas 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Phillips Petroleum COmpany

STATE OF Kansas COUNTY OF Rice, ss. 9-18-90 SEP 18 1990

R. Darrell Kelso (Employee of Operator) or (Operator) of above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well is as filed that the same are true and correct, so help me God.

(Signature) Mike Kelso

(Address) P.O. Box 347 Chase,KS. 67524

SUBSCRIBED AND SWORN TO before me this 14 day of Sept., 19 90

Irene Herzberg
Notary Public

My Commission Expires: ____

IRENE HERZBERG
State of Kansas
My Appt. Exp. Aug. 24, 1993

Form CP-4
Revised 05-88

15-163-03905-0000

Date: May 9, 1990
Number: 00000006

P&A Procedure for Nettie Unit #8-07

Nettie Unit No. 8-07
NE SE NW Sec. 3-T10S-R17W
Rooks County, Kansas
Nettie Field, Arbuckle, LKC, Top, Tor Fm

Procedure # 41-90
Charge Code 80-7159
Lease Code 350125
W.I. 31.65017 %
R.I. 27.52178 %

Elevation: 2074' GL, 2076' DF, 2078' KB
Casings: 10 3/4" set @ 328' w/ 200 sx cement.
5 1/2", 14#, set @ 3511' w/ 320 sx cement on bottom
DV @ 1326' w/ 605 sx cement
TD: 3513'
Open Hole: 3511' - 3513' (Arbuckle formation)
Perforations: 3119' - 3444' OA (Toronto, Topeka, LKC formations)
Note: Csg leak @ 1073' squeezed w/ 100 sx cement in 1966.
Csg leaks @ 3250-72' squeezed w/ 75 sx cement in 1979.
Csg leaks @ 2343-58' squeezed w/ 160 sx cement in 1979.
Dakota, Cedar Hills and Anhydrite should all be behind cement.

Objective: Plug and Abandon shut down well by filling casing with 65/35 pozmix-10% gel w/ 1/4 lb/sk flocele and 5 sx hulls.

Procedure:

1. Notify KCC representative 24 hours prior to beginning plugging operations (Hays office 628-1200).

2. Determine depth of well with wireline to verify that cement will reach the botton of the hole. If depths below 3511' are not reached, notify office for further instructions.

3. Conduct safety meetings with all personnel involved in plugging operation. Move in and rig up Cementing Company. Swedge in 5 1/2" casing, pump in 340 sx cement to fill 3515' to surface. Shut in under pressure.

4. Rig up to 5 1/2" - 8 5/8" annulus and pump into, if possible, with 50 sx cement and shut in under pressure.

(Total calc. 5 1/2" csg volume - 481 cu. ft., 20% excess, 1.7 cu. ft/sack yield, slurry density 13 lb/gal, water requirement - 9.13 gal/sk of mix, gives ~340 sx of 65/35 pozmix-10% gel w/ 1/4 lb/sk flocele to fill casing.)

Water requirement for 390 sx cement @ 4.6 sx/bbl = 85 bbls fresh water.

5. Check fillup in casings and outside of 8 5/8" csg. If necessary, fill to surface w/ redimix.

6. Cut off casing 3' below ground level and weld on steel plate marked with "PPCo, well name, and date plugged."

7. Restore location.

15-163-03905-0000

602 Mule Building
Wichita, Kansas
March 2, 1954

NETTIE UNIT 8-7

Phillips Petroleum Company
No. 7 Elva
NE SE NW, Sec. 3-10S-17W
Rooks County, Kansas
Elevation: 2076 D.F.

Mrs. G. J. Willis
Mr. C. W. Cargile
Phillips Petroleum Company
Bartlesville, Oklahoma

Dear Sir:

The following is our interpretation of the information derived from the sample, time log and electric log on the Elva No. 7.

Formation	Sample & Time Log Data	Electric Log Data
Howard	2956 (-880)	2956 (- 880)
Topeka	2981 (-905)	2982 (- 906)
Heebner	3177 (-1101)	3176 (-1100)
Toronto	3192 (-1116)	3193 (-1117)
Lansing-Kansas City	3216 (-1140)	3216 (-1140)
Base Kansas City	3451 (-1375)	3451 (-1375)
Marmaton	3468 (-1392)	3467 (-1391)
Simpson Dolomite	3490 (-1414)	3488 (-1412)
Arbuckle	3510 (-1434)	Did not record
Rotary Total Depth	3512 (-1436)	3513 (-1437)

Sample Interpretation	Electric Log Interpretation	Recommended Perforations
Shawnee Zones:		
2984-2988 Sucrosic porosity, trace of fair stain, trace of fair fluorescence.	2984-2988 Poor to good streaked porosity, possible water, LL:MLL = 1.4 : 1	None
3008-3011 Poor sucrosic porosity, trace of fair saturation, trace of faint fluorescence.	3007-3014 Fair to good streaked porosity, possible oil, LL:MLL = 1.8 : 1.	None
3118-3125 Poor crystalline porosity, scattered light stain, fair scattered fluorescence, trace of free oil.	3119-3126 Good porosity, possible oil and water, LL:MLL = 1.7 : 1.	3119-3126
3143-3150 Poor streaked pinpoint porosity, poor scattered stain, poor fluorescence.	3142-3148 Good porosity, probable water, LL:MLL = 1.3 : 1.	None

3193-3196 Poor crystalline to fair pin point porosity, poor to fair scattered stain, fair light fluorescence, slight show of free oil.	3193-3196 Fair porosity, possible oil and water, LL:MLL = 1.6:1.	3193-3196

Lansing-Kansas City Zones:

3218-3225 Poor to fair streaked vugular porosity, poor spotted stain, poor spotted fluorescence.	3217-3219 Poor porosity, probable oil, LL:MLL = 2.7:1	None
3238-3240 Trace of poor crystalline porosity, trace of poor spotted stain, trace of poor fluorescence.	3236-3241 Good streaked porosity, possible oil and water, LL:MLL = 1.7:1.	None
3255-3259 Poor to fair streaked vugular porosity, poor to fair spotted to even stain, fair scattered fluorescence.	3250-3262 Fair to good streaked porosity, probable oil, LL:MLL = 2.3:1	3250-3262
3276-3282 Poor crystalline to vugular porosity, poor to fair spotted stain, poor to fair scattered fluorescence.	3270-3279 Fair to good streaked porosity, probable oil, LL:MLL = 2.7:1.	3270-3279
3316-3321 Fair streaked oolicastic porosity, fair spotted to even stain, poor to fair fluorescence, show of free oil.	3314-3321 Good streaked porosity, probable oil, LL:MLL = 2.5:1	3314-3321
3353-3354 and 3357-3361 Poor to fair crystalline porosity, poor to fair spotted stain, poor to fair scattered fluorescence.	3354-3359 Fair to good streaked porosity, possible oil and water, LL:MLL = 1.7:1	3354-3359
3380-3383 Poor vugular porosity, poor spotted stain, poor spotted fluorescence.	3380-3382 Poor porosity, probable oil, LL:MLL = 3.5:1	3380-3383
3393-3395 Poor vugular porosity, poor spotted stain, poor spotted fluorescence.	3392-3395 Good streaked porosity, possible oil, LL:MLL = 2:1	None
3399-3406 Poor sucrosic porosity, fair to good saturation, fair light fluorescence, show of free oil.	3400-3404 Good streaked porosity, possible oil, LL:MLL = 2:1	3399-3404
3424-3429 Poor crystalline porosity, poor spotted stain, faint scattered fluorescence, trace of free oil.	3423-3424 Trace of fair porosity, possible oil, LL:MLL = 4:1	None

3439-3442 Fair colicastic porosity, fair spotted to even saturation, fair fluorescence good show of free oil, slight oder.	3938-3939 Good porosity, probable oil, LL:MLL = 2:1	3438-3444

Arbuckle Zone:

3510-3512 Poor sucrosic porosity, trace of light spotted stain, trace of free oil, faint fluorescence.	Electric log did not record this deep.	Drill plug and test before abandoning well.

Five and one half inch casing has been set one foot off bottom at 3511, driller's measurement from rotary bushing. Electric log measurement of tops and zones are taken as correct. The driller's measurement of rotary total depth is taken as correct.

The above recommended Lansing-Kansas City zones and the one Shawnee zone from 3193 to 3196 should be perforated and acidized each separately from the lowermost up hole, perforating each from its top downward. The other Shawnee zone from 3119-3126 and the Arbuckle should be tested at some future date when the Lansing-Kansas City has become exhausted of production. It is recommended however, that the well not be deepened below a minus 1450, the approximate water level of the Arbuckle reservoir.

Very truly yours,

Eugene E. Morris

Eugene E. Morris

Approved by Roy P. Lehman

Roy P. Lehman

CC: R. F. Hood
L. E. Fitzjarrald
F. N. Shelton
C. A. Daniels
A. J. Willis
F. J. Latinis
Cities Service

EEM/mm