

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

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

API NUMBER 15-163-03561-0000

LEASE NAME Nettie Unit

WELL NUMBER 6-3

 Ft. from S Section Line

 Ft. from E Section Line

SEC. 4 TWP. 10 SRGE. 17W (E) or (W)

COUNTY Rooks

Date Well Completed

Plugging Commenced 8-23-90

Plugging Completed 8-31-90

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

LEASE OPERATOR Phillips Petroleum Company

ADDRESS Rt #3 Box 20-A Great Bend, KS. 67530

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 filled? If not, is well log attached?

Producing Formation Depth to Top Bottom T.O. 3518'

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
				8 5/8"	237'	none
				5 1/2"	3515'	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 3164' ran 5 sacks cement. Shot pipe @1400', 800', 175'. Down 5 1/2" casing @800# Max pressure. Mixed 2 sacks hulls with 150 sacks cement and shut in @400#. Down annulus 8 5/8" casing @400# Max pressure mixed 1 sack hulls with 100 sacks cement and shut in @200#.
 (If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor KELSO CASING PULLING, INC. License No. 6050
 250 sacks 65/35 poz 10% gel.

Address P.O. Box 347 Chase, Kansas 67524

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Phillips Petroleum Company RECEIVED

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 as filed that the same are true and correct, so help me God.

(Signature) [Signature]

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

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

[Signature]
 Notary Public

My Commission Expires:



15-163-03561-0000

Date: May 9, 1990

Number: 00000005

P&A Procedure for Nettie Unit #6-03

Nettie Unit No. 6-03	Procedure # 41-90
SE SE NE Sec. 4-T10S-R17W	Charge Code 80-7159
Rooks County, Kansas	Lease Code 350125
Nettie Field, Arbuckle & LKC Formation	W.I. 31.65017 %
	R.I. 27.52178 %

Elevation: 2076' GL, 2078' DF

Casings: 8 5/8" set @ 237' w/ 175 sx cement.

5 1/2", 14#, set @ 3515' w/ 150 sx cement.

TD: 3518'

Open Hole: 3515' - 3518' (Arbuckle formation)

Perforations: 3220-25', 3284-88', 3356-63', 3366-70'

3386-92', 3399-3407', 3425-33', 3442-50' (LKC formation)

Note: Csg leak @ 1009' squeezed w/ 124 sx cement in 1960.

Top of Anhydrite at 1310'.

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 bottom of the hole. If depths below 3515' are not reached, notify office for further instructions.
3. Conduct safety meetings with all personnel involved in plugging operation. Move in and rig up casing perforators. Perforate 5 1/2" csg @ 1375'. Rig down move out perforators. Move in and rig up Well Service Unit and Cementing Company. Go in hole with work string tubing to 1400' to get below anhydrite. Pump 200 sx of 65/35 pozmix-10% gel w/ 1/4 lb/sk flocele and 5 sx hulls through tubing to fill hole below 1400'. Pull tbg to 1200' and pump 125 sx cement and circulate to surface. Swedge in 5 1/2" casing, pump in 50 sx cement and shut in under pressure. to fill casing and annulus from 1400' to surface. Shut in under pressure.
4. Rig up t 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 c/sk of mix, gives ~340 sx of 65/35 pozmix-10% gel w/ 1/4 lb/sk flocele to fill casing.)

Water requirement for 425 sx cement @ 4.6 sx/bbl = 92 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.

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WELL RECORD NETTIE UNIT 6-3

Lease Pharnenstiel Well No. 3 S. 4 T. 10 R. 17E
 County Rooks State Kansas Elev. 2078 (2076 Gr)
 Location 330' North and 330' West of E/4 Corner
 Dr. Commenced Oct. 17, 1952 Dr. Completed Oct. 29, 1952
 Drilled By Prime Drilling Company T. D. 3518'
 P.B.T.D. 3466'
 Acid 4500 gals. 11-10-52 (see below)
 Initial Prod. Physical: 37 oil, 59 water, 24 hrs. (12-22-52)

Casing Record	
8-5/8" @	237' cem. 175 sx cement
5-1/2" @	3514' cem. 150 sx cement
DV-tool at 1327' with 120 bbls. of 24 gravity oil-base mud and Ken-Pak.	
Corr. Topeka	2973'
Corr. Heebner	3179'
Corr. Dodge	3196'
Corr. Lansing	3219'
Corr. Simpson Shale	3503'
Corr. Arbuckle	3512'
Penetration	6'
Total Depth	3518'
Fillup:	80' fluid in 20 mins.
	395' fluid in 2 hrs. 40 mins.
	812' fluid in 3 hrs. 40 mins.
	498' oil and 1350' water in 14 hrs. 40 mins.
11-17-52	Pmpd. 45 oil, 163 water, 21 hrs.
Set Lane-Wells plug at 3471; 1 gal. rock on plug; PSTD 3470 SLX.	
Perf. 32 shots	3442-50. -1364 -1372
" 32 shots	3425-33. -1347 -1355
" 26 shots	3399-3407. -1321 -1329
" 24 shots	3386-92. -1308 -1314
" 16 shots	3366-70. -1288 -1292
" 23 shots	3356-53. -1278 -1285
" 14 shots	3284-88. -1206 -1240
" 21 shots	322C-25. -1142 -1147

Geol. 16A
JAN 3-53

(O V E R)