STATE OF KANSAS STATE CORPORATION COMMISSION		K.A.R82-3-117			API NUMBER 15-163-00888-00-00		
200 Colorado Derby Building				LEASE NA	LEASE NAME Nettie		
Wichlita, Kansas 67202	TYPE OR	TYPE OR PRINT NOTICE: Fill out completely and return to Cons. Div. office within 30 days.			WELL NUMBER 3-3		
	NOTICE: FILL O					S Section Line	
	and return office with						
						E Section Line	
LEASE OPERATOR Phillips	Petroleum Co	mpan	ту			E. 17W (Exor(W)	
ADDRESS Rt #3 Box 20-A Gre	eat Bend, KS.	6753	30	COUNTY _	Rooks		
PHONE#(316) 793-8421 OPERA						d	
Character of Well Oil						8-9-90	
(Oll, Gas, D&A, SWD, Input, Wa	ter Supply Well)		Plugging	g Completed	8-28-90	
The plugging proposal was appr	oved on					(date)	
by				(KC	C District	Agent's Name).	
ls ACO-1 flied?	not le well i	00.8	ttached?				
Is ACO-1 filed?IT	nor, is were			Bott.		.D. 3543'	
Producing Formation					VIII,	Newsforth Statement of the Statement of	
Show depth and thickness of al	1 water, oil ar	nd ga:					
OIL, GAS OR WATER RECORDS			<u> </u>	ASING RECO			
Formation Content	From	То	Size	Put In	Pulled out	,	
			8 5/8"	1075'	none		
			5 1/2"	3538'	1452'		
						b and fluid was	
Describe in detail the manner placed and the method or meth							
wand state the charac	ter of same ar	na ae	epin piac				
Sanded bot	tom to 3190.	ran	5 Sacks	cement.	SHOC PID	e @2618'. hulls with	
300 sacks	cement and s	т МА. hut	in @400±	, 300 sa	cks 65/35	10% gel.	
(If additional desc							
						6050	
Name of Plugging Contractor	KELSO CASING	G PU	LLING, I	NC.	LICENSE NO.	the trial tent which	
Address P.O. Box 347 Ch	ase, Kansas	675	2 4		2.1	7.38.516.4	
NAME OF PARTY RESPONSIBLE FOR						ny 9-18-90 1 SEP 18 1990	
STATE OF Kansas	COUNTY OF		Rice		_, ss.		
R. Darrell	Kelso		(Employee o	f Operator)	or (Operator) of	
above-described well, being f statements, and matters here	irst duly sworn	on o	ath, says	: That I h	ave knowled described w	ige of the tacts, rell as filed that	
statements, and matters here the same are true and correct	, so help me Go	U		_	//		
		(Signature				
		(Address)	P.O. Bo	x 347 Cha	se,KS. 67524	
SUBSCRIBED A	ND SWORN TO bef	ore m	e this	13 day	of Sept	,19 90	
				1/220	Zlers he	10	
•		-		Not	ary Public	1	

My Commission Expires:__

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

Form CP-4 Revised 05-88

Date: May 9, 1990 Number: 00000002

P&A Procedure for Nettie Unit #3-03

Nettie Unit No. 3-03

NE NW SW Sec. 33-T9S-R17W

Rooks County, Kansas

Nettie Field, Arbuckle, LKC Formation

Nettie Field, Arbuckle, LKC Formation

R.I. 27.52178 %

Elevation: 2100' GL, 2105' KB

Casings: 8 5/8" set @ 1075' w/ 550 sx cement.

5 1/2", 15.5#, set @ 3538' w/ 75 sx cement.

Perforations: 3247-50', 3282-85', 3297-3301', 3329-33',

3414-18', 3426-30', 3448-52', 3469'73'. (LKC)

Open Hole: 3538' - 3543' (Arbuckle)

TD: 3543'

Note: Csg. leak @ 3050 squeezed off w/ 100 sx cement.

Other casing leaks present below 1900'in well prior to shut down.

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 3538' are not reached, notify office for further instructions.
- 3. 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 250 sx cement to fill casing and annulus. Pull tubing, swedge in 5 1/2" casing, and pump in 50 sx cement. 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 - 485 cu. ft., 20% excess, 1.7 cu. ft/sack yield, slurry density 13 1b/gal, water requirement - 9.13 gal/sk of mix, gives ~350 sx of 65/35 pozmix-10% gel w/ 1/4 1b/sk flocele to fill casing.)

Water requirement for 550 sx cement @ 4.6 sx/bbl = 119 bbls fresh water.

- Check fillup in casings and outside of 8 5/8" csg.
 If necessary, fill to surface w/ redimix.
- Cut off casing 3' below ground level and weld on steel plate marked with "PPCo, well name, and date plugged."
- 7. Restore location.

XEBO

FORMATION LOG

NETTIE UNIT 3-3

San Diego Corporation #3 Schrandt CN½ N½ SW; 33-9S-17W Rooks County, Kansas Elevation: 2105 Kelly Bushing

8 5/8" Casing: 1075 5 1/2" Casing: 3538 (E.L.) Comm: 9-28-55 Comp:

Note: All measurements are taken from the top of the Kelly Bushing.

Depth		Formation Description	Remarks
0 -	100	Clay and sand	
100 -	450	Shale	Drillers log 0-3100'
450 -	670	Shale and shells	
	770	Shale and sand streaks	
	850	Sand	
	935	Shale and shells	
	1060	Sand and shalls	. , ,
1060 -		Shala Shala	
1075 -			•
1363 -		Red bed	
# 70 2	1402	Anhydrite	Stone Corral, electric
1403 -	1620	mtt	log top
1620 -		Shale and shells	
1840 -		Shala	
2495 -		Limestone	
2825 -		Shale and limestone	
3100 -		Limestone	
2100 *	13	Limestone, white, subcrystalline	Sample log 3100' to
3113 -	A G	chalky, some dolomitic	total depth
2113 4	21	Limestone, buff, finely crystal-	No show
•		line, colitic; good honevcomb	
4141	•	porosity	
3121 -	and all	Limestone, tan, dense	,
3125 -		Shale, gray to dark gray	•
3131 -		Limestone, tan, dense	
3138 -	41	Shale, brown-black to grave	
	_	black, soft, fissile	· ·
3141 -	• •	Limestone, tan, dense	•
3146 -	53	Limestone, tan to buff, finely	Company Budge to a
	•	sucrose, dolomitic, colitic;	Spotted fair dark stain
		spotted colicastic and fracture	stain
		porosity	
3153 -	67	Limestone, gray, subcrystalline	
		to tan, dense, lithographic,	
		streaks gray and brown shale	•
3167 -	76	Limestone, gray-blue to ten,	
		subcrystalline to finely	Spotted stain
		SUCTORAL EDOTTON TO THE	•
		sucrose; spotted poorly develop-	
	•	148a	•

3-3

-2- Formstion Log: San Diego Corp. #3 Schrandt.

Depth	Formation Description	Remarks
3176 - 3202	Limestone, tan, subcrystalline to gray-blue, finely crystalline; much tan to gray, subvitreous chert; streaks shale, as above	
3202 - 06	Shale, brown-black; fissile	Heebner
3206 - 10	Limestone, tau, subcrystalline cherty; chert, blue-gray, vitreous semi-translucent	Leavenworth
3210 - 19	Shale, green to gray-green to brown	Snyderville
3219 - 33	Limestone, creem to white, subcrystalline, fossiliferous; streaks gray shale 3227-30	Toronto
3233 - 43	Shale, gray to brown; trace gray, very silty, micaceous shale	Douglas
3243 - 71		. Man I amedian 29/2
3243 - /1	Limestone, cresm to white, sub-	Top Lansing 3243
	crystalline; trace, milky, vitreous, translucent chert;	•
·	streaks brown shale	•
3271 - 77		* * - * -
	Shale, brown and gray	-
3277 - 86	Limestone, cream to white, sub-	•
•	crystalline, crypto-fossiliferous;	·
, ar	chert, white, vitreous, trans-	
3286 - 97	Shale, brown; streak limestone 3283-91	
3297 - 3300	Limestons, cream, subcrystalline, fossiliferous; trace vugular porosity	Trace light stain
3300 - 14	Limestone, cream to buff, sub- crystalline, streaks brown shale	
3314 - 31	Mostly brown shale; few thin limestone streaks	
3331 - 37	Limestone, tan, very finely sucrose, colitic and fossiliferous	Slight show dark asphaltic oil
••• •••	spotted colicastic and vugular porosity 3331-33; chert, white to	
2227 20	cream, vitreous, semi-translucent	-
3337 + 39	Shale, brown and gray	Mark Adam Miles 4
3339 - 49	Limestone, ten to gray, finely sucrose, colitic, very good colicastic porosity 3341-44, spotted colicastic porosity	Good odor, fair show free oil, good stain; D.S.T. #1
	- 22/4" 14	•

-3- Formation Log: San Diego Corp. #3 Schrandt.

•		· ·	
Depth	FC	rmation Description	Remarks
3349 - 3361	I.:	mestone, cream to gray, sub-	• •
		ystalline, chalky	-
3361 -, 65		ale, as above	•
3365 - 71		mestone, as above	,
3371 - 73		ale. as above	
3373 - 75		mestone, as above	
3375 - 84			
		ale, as above	
3384 - 91	As A	mestone, gray to tan, sub-	
,		ystalline to finely crystalline,	
•		lomitic, fossiliferous; chert	
• ,		own and white, subvitreous,	
		gured	
3391 - 93		mestone, light gray, very	No show
		nely sucrose, colitic; spotted	. •
3	00	licastic porosity	•
3393 - 3401	Li	mestone, cherty, as above; much	
	CI	eam to gray, subvitreous,	
	o ç	aque chert; streak gray and	•
		own shale 3398-3400	
3401 - 07		sale, brown to gray-green	-
3407 - 12		mestone, cream to tan, sub-	-
		ystalline to dense; much	,
• ,		ert, as above	,
3412 - 20		mestone, light tan to gray,	Spotted stain
		hely sucrose, colitic; spotted	
		licastic porosity 3412-14 and	NIOITE AN
	3/	17-20; shaly 3414-17	•
3420 - 30		mestone, cream to light gray,	•
the state of the s		bcrystalline; chert, gray,	-
•		sque; streak gray-green and	
3430 - 34		own shale 3422-24	Cont diam Con
3430 * 34		mestone, tan to brown, sub-	Good show free oil,
•		ystalline; colitie; fair	good odor; D.S.T. #2
		gular and fine oolicastic	·
	-	rosity	
3434 - 37	Li	mestone, light gray, sub-	
		ystalline to dense	•
3437 - 49		ale, as above	•
3449 - 60		mestone, tan to gray, medium	•
		ystalline to dense	
3460 - 69	Sh	ale, as above	
3469 - 81			Base Kanses City 3481
3481 - 93	Sh	ale, gray-green, silty and	Top Marmaton 3481
4		own to marcon	
3493 - 97	Li	mestone, tan, subcrystalline.	
		ssiliferous, dolomitic, some	•
, *;		ay, finely crystalline dolomite;	-
		ert salmon to gray, subvitreous,	
•	. 80	mi-translucent, figured	•
*		The second secon	

-4- Formation Log: San Diego Corp. #3 Schrandt.

Depth	Formation Description	Remarks
3497 - 3501	Shale, as above	
3501 - 12	Limestone, white, subcrystal-	Very slight show
	dente man management man	free oil, no odor
	finely crystalline; fair pin-	
	point porosity 3505-07	
3512 - 21	Limestone, buff to red, finely	
	crystalline, some chert, as	
	above	
3521 - 39	Mostly shale, pale green to	Top Simpson 3521
	bright, green, sandy; thin	
	streaks dolomite, yellow-tan,	
•	finely crystalline to medium	A Company of the Comp
•	crystalline, sandy; some poorly	
	sorted shaly sand	
3538 - 42	Dolomite, tan to gray, medium to	Top Arbuckle 3538;
	finely crystalline, rhombohedral;	Good show free cil,
	fair vugular porosity 3540-42	slight odor
3542 - 44	Dolomite, tan to cream, finely	
	crystalline to subcrystallina	
3544	Rotary Total Depth	

5 1/2" casing set at 3538, electric log measurements (3540 drilling measurements).

Drill Stem Test Data: The following drill stem tests were run on the #3 Schrandt. Both tests were in the Lansing-Kansas City.

o.s.r. #1: 3340-50; open 1 hour - weak blow throughout test, flushed tool at 30 minutes. Blow remained same after flushing.

Recovered 70' oily smelling watery mud Initial flow pressure: 20 P.S.I.

Final flow pressure: 50 P.S.I.

Bottom hole pressure: 350 P.S.I. (68 minutes).

D.S.T. #2: 3410-35; open 45 minutes - weak blow for 12 minutes, flushed tool and again had wask blow for 7 minutes.

Recovered 35' slightly oil cut mud
Initial flow pressure: 30 P.S.I.

Final flow pressure: 50 P.S.I.

Bottom hole pressure: 370 P.S.I.

Samples examined and log compiled by

Willis Jack Magathan