



This Form must be Typed
Form must be Signed
All blanks must be Filled

WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act,
MUST be submitted with this form.

OPERATOR: License #: _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____

API No. 15 - _____
If pre 1967, supply original completion date: _____
Spot Description: _____
____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
____ Feet from North / South Line of Section
____ Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: _____
Lease Name: _____ Well #: _____

Check One: Oil Well Gas Well OG D&A Cathodic Water Supply Well Other: _____
 SWD Permit #: _____ ENHR Permit #: _____ Gas Storage Permit #: _____

Conductor Casing Size: _____ Set at: _____ Cemented with: _____ Sacks
Surface Casing Size: _____ Set at: _____ Cemented with: _____ Sacks
Production Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

List (ALL) Perforations and Bridge Plug Sets:

Elevation: _____ (G.L. / K.B.) T.D.: _____ PBTD: _____ Anhydrite Depth: _____
(Stone Corral Formation)

Condition of Well: Good Poor Junk in Hole Casing Leak at: _____
(Interval)

Proposed Method of Plugging (attach a separate page if additional space is needed):

Is Well Log attached to this application? Yes No Is ACO-1 filed? Yes No

If ACO-1 not filed, explain why:

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission

Company Representative authorized to supervise plugging operations: _____
Address: _____ City: _____ State: _____ Zip: _____ + _____
Phone: (_____) _____
Plugging Contractor License #: _____ Name: _____
Address 1: _____ Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Phone: (_____) _____

Proposed Date of Plugging (if known): _____

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically



CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: C-1 (Intent) CB-1 (Cathodic Protection Borehole Intent) T-1 (Transfer) CP-1 (Plugging Application)

OPERATOR: License # _____
Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____
Contact Person: _____
Phone: (_____) _____ Fax: (_____) _____
Email Address: _____

Well Location:
____ - ____ - ____ - ____ Sec. ____ Twp. ____ S. R. ____ East West
County: _____
Lease Name: _____ Well #: _____

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:

Name: _____
Address 1: _____
Address 2: _____
City: _____ State: _____ Zip: _____ + _____

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

- I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.
- I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a \$30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the \$30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

I Submitted Electronically

I

Form	CP1 - Well Plugging Application
Operator	Vess Oil Corporation
Well Name	KOOGLER 93
Doc ID	1268228

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
2482	2508	no information	
2517	2538	no information	2510
2589	2628	no information	

Total Depth Drilled 2531'
 Oil String Set 2517'
 Plug Back Depth None
 Vertical or Directional Hole Vertical

Permit No. _____
 Serial No. _____
 Lease Name H.A. Koogler
 Well No. 93
 Field El Dorado
 District El Dorado
 State Kansas State Reg. District _____
 Distance From Nearest Town (9) Mine Miles - El Dorado, Kansas

County Butler
 Section 21
 Township 26S
 Range 5E
 Location of Well: 990' FWL, 1050' FWL, 1110' W/4

DATE SUMMARY	Date	Work Performed By	Remarks
Location Staked	4-8-52	Civil Engineering Dept.	
Dig Pit	4-10-52	Bud Edwards Drig. Co., Wichita, Kans.	
Commenced Erecting Derrick			Portable Rig
Commenced Raising Up	4-16-52	Bud Edwards Drig. Co., Wichita, Kans.	Portable Rig
Initial Rigging Up Completed	4-16-52		
Commenced Drilling (Spud Date)	4-10-52		
Completed Drilling (Total Depth)	4-25-52		
Moved In Cable Tools	4-29-52		
Oil String Casing Set	4-27-52		
Plug Back (Final)	None		
Perforations (Final)	5-7-52	Lane Wells Co. El Dorado, Kansas	
Completed Subsurface Installations (Final)	5-10-52	Bud Edwards Drig. Co., Wichita, Kans.	
Completed Well Head Installations (Final)	5-10-52		
Commenced Bringing In (Final)	4-30-52		
Well Cleaned (Final)	5-10-52		
Completed Abandonment			
Completed Abandonment			

* Insert the first work started, as: Build Road, Build Board Road and Turn around, Dig Canal, Clear and/or Grade Location, Lay fuel and Water Lines, Dig Slush Pit, Build Rig Foundation, or, Install Drilling Foundation.

NO. DAYS WATER USED None : SOURCE Furnished by Contractor.
 NO. DAYS FUEL USED None : KIND KIND

Measuring Point Will Be Ground Kelly Bushing None Surface Csg. None
 Kelly Drive Bushing 2517'-6313' Elevation 4' Surface Csg. Flg. None
 Flange Elev. _____

Transfer No. In: 6106-6132 CASING, TUBING, & * CEMENTING RECORD Transfer No. Out _____

Size	Weight	Collars & Threads	Kind	Rge	Jts.	Total Feet Less Threads			Total No. Scratchers and Where Placed	Total No. Centralizers and Where Placed
						Put In	Pulled	Left In		
8-5/8"	324	6"	SW	1	1	103'			None	None
8-5/8"	214	6"	SW	1	4				None	None
8-5/8"	Casing set at 103', cemented w/85 sacks Regular Portland Cement w/1 sack Calcium Chloride added, 11/2 slurry. Circulated from bottom to top.								None	2 - 2319' - 2458'
5-1/2"	15.54	6-3/4"	J-55	2	84	2513'			None	
5-1/2"	Casing set at 2517', cemented w/100 sacks Regular Portland Cement, 11/2 slurry, under 100# pressure. Top of cement not known.									
2"	4.76	5"	8 Rod. J-55	2	82	2556'				
			J-55 SS Tubing							

* Following each string of casing, and using the full width of the sheet, give complete cementing record as follows: Where landed, Amount and kind of cement, Amount and kind of Additives, Stages of Cementing, Cement Tops, Slurry weight per Gal. and WOC Hours.

Give the balance of Well Record by Sections, in the order listed below, carefully following instructions in the Field Manual for each section. Use the reverse side of this sheet and subsequent sheets on Form X-6727 As needed.

- Section 1 - Production Tests and Potential Test Data
- Section 2 - Formation Summary
- Section 3 - Depth Measurements
- Section 4 - Drill Stem Tests
- Section 5 - Perforating and Squeeze Record
- Section 6 - Surveying
- Section 7 - Core Record
- Section 8 - Bit Record
- Section 9 - Acidizing or Other Completion Operation
- Section 10 - Summary of Operations
- Section 11 - Formation Record
- Section 12 - Plugging & Abandonment Record

Lease Name H.A. Koogler Well No. 93 of 4 Sheets

585

Handwritten notes:
 5-1/2" @ 2517' with 100 lbs
 Water Pump @ 2480 - 2508
 Run from Open Hole 2517-88
 End Open Hole 2089 - 2028
 Check 2435-45 sand level samples
 Ref 5 1/2" Plug @ 2510 (4/22/80)

PRODUCTION NO. 1 - PRODUCTION DATA:

2 1/2" Oil Well Completion - Pumping.

Production test completed on May 15, 1952, in the Viola Line and Simpson Sand Formations; Simpson Sand Formation, top - 2483', bottom 2516'; Simpson Sand Formation, top - 2516', bottom - 2551'. Perforated 5-1/2" casing in Viola Line formation from 2482' to 2508' W/105 15/32" balls. Open hole, Simpson Sand Formation, from 2517' to 2558'. Well pumped on 24 hour test at rate of 35 barrels oil, 3 barrels water, per day. Pump set at 2552' W/1-1/2" Plunger, tubing, 3/4" Rods. 2 1/2" Stroke, 12 s.p.m. Test after acidizing Viola Line W/1000 gallons acid; Gravity 32.2 @ 60°. Allowable 100%.

PRODUCTION NO. 2 - FORMATION SUMMARY:

Formation	From	To	Core No.	Core Log Run No.	Micro Log Run No.	Latero-Log Gamma-Ray & Sp.	Remarks
Viola	2483'	2516'	1	1	1	1	
Simpson	2516'	2545'	1 & 2	1	1	1	
Sand	2545'	2548'	2	1	1	1	
Gray to Green	2548'	2549'	2	1	1	1	
White, Sandy	2549'	2551'	2	1	1	1	
Sandy, Gray	2551'	2552'	2	1	1	1	
Green	2552'	2556'	2	1	1	1	
Core	2556'	2558'	2				

PRODUCTION NO. 3 - DEPTH MEASUREMENTS:

Drillers	Steel Line	Micro Log	Latero-Log Gamma-Ray	Ind. Log	Perf. Line	Ft. Plus or Minus	K.P. to O.L.	Surface Depth
2558'	2558'	2558'	2558'	2558'	2558'	4'	4'	2554'
2517'	2558'					4'	4'	2513'
2558'	2558'				2550'	4'	4'	2554'

PRODUCTION NO. 5 - PERFORATING RECORD:

Formation	From	To	No.	Size	Kind	Tool Set @
Simpson, Viola	2482'	2508'	105	15/32"	Bullets	2508'

PRODUCTION NO. 6 - SURVEYS PERFORMED:

Kind	From	To
Schlumberger Micro-Log	1500'	2553'
Schlumberger Latero-Log, Gamma-Ray & Sp.	105'	2554'
Schlumberger Induction Log & Sp.	1500'	2554'

TY-Sun Deviation Survey:

Depth	Deg. off Vertical
500'	1-1/2°
1000'	1-1/2°
1500'	1°
2000'	1-1/4°

SECTION NO. 1 - CORE RECORD:

No.	From	To	Recovered	Description
1	2485'	2525'	140'	Dolomite, with saturation and staining.
	2485'	2505'		Dolomite, with spotted staining.
	2505'	2508'		Dolomite, with saturation and staining.
	2508'	2510'		Dolomite, sandy, with spotted staining.
	2510'	2515'		Dolomite, sandy, good stain.
	2515'	2516'		Sand with saturation and staining of oil.
	2516'	2525'		
2	2525'	2558'	31'	Sand, with saturation and staining of oil.
	2525'	2529'		Sand, white to Green w/spotted staining of oil.
	2529'	2530'		Sand, with saturation and staining of oil.
	2530'	2536'		Sand, white to Green w/spotted staining of oil.
	2536'	2537'		Siltstone
	2537'	2539'		Shale, Brown, Sandy.
	2539'	2540'		Shale, Sandy, Gray-Green.
	2540'	2541'		Sand, Shaley, Gray to Green.
	2541'	2545'		Shale and Sand.
	2545'	2548'		Shale, Gray to Green.
	2548'	2549'		Dolomite, Sandy.
	2549'	2551'		Shale, Sandy, Gray to Green.
	2551'	2552'		Sand.
	2552'	2556'		Lost Core.
	2556'	2558'		

SECTION NO. 8 - BIT RECORD:

No. Used	Size	Drag or		No. Ft.	
		Rock	Hook	From	To
1	7-7/8"	Hook	Hook	105'	720'
2	"	"	"	720'	1593'
3	"	"	"	1593'	1905'
4	"	"	"	1905'	2222'
5	"	"	"	2222'	2525'
6	"	"	"	2525'	2558'

SECTION NO. 9 - ACIDIZING AND OTHER COMPLETION OPERATIONS:

Strato-Frac - Simpson Sand Formation - 5-4-52.

Run 2" U.B. tubing w/Baker Packer set at 2494'. Pumped in 18 barrels oil, pressure up to 1300f, broke down to 900f. Pumping at rate of 4 barrels per minute. Pumped in 1500 gallons of Dowell X-500 with 3/16" sand per gallon (1125f sand), pressure 1200f, broke down to 900f. Pumped at rate of 2-3/4 barrels per minute. Flushed with 36 barrels oil, pressure dropped off to vacuum in 1-3/4 minutes after pump shut down. 2 1/2 hour balling test in Simpson Sand Formation after Strato-frac, made 2 1/2 bbls. oil, 5 bbls. water. Bailed 36 barrels load oil back.

Acidized - Viola Lime Formation - 5-8-52.

Acidized Viola Lime Formation from 2482' to 2508' thru 105' - 15/32" perforations with 1,000 gallons 15% acid with surface tension reducing agent added, 53 barrels water load, under vacuum. 10 hour balling test made 2 1/2 gallons fluid per hour, 50% water.

SECTION NO. 10 - SUMMARY OF OPERATIONS:

L. Drilling and Exploratory Operations Performed;

4-25-52	Core No. 1
4-26-52	Core No. 2
4-26-52	Schlumberger Induction and Sp. Log No. 1
4-26-52	Schlumberger Latero-Log - Gamma-Ray and Sp. Log No. 1
4-26-52-4-27-52	Schlumberger Micro-Log No. 1

CORE DESCRIPTION

Magnolia #93 M. A. Koogler
 NE SW NW Section 21-26S-5E

By Owen E. Homeister

Core #1 2485-2525, full recovery

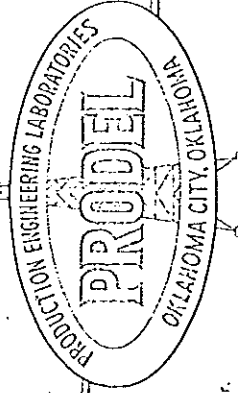
2485-86, dolo., f. sucrose, sat. stn.
 86-87, same w/some white chert
 87-88, dolo, f. sucrose, sat. stn.
 88-89, same
 89-90, as above w/consid. white cx., (50%),
 sat. stn.
 90-91, dolo. as above, some grn argill. mat.
 & cx.
 91-92, dolo., few small vugs.
 92-93, cx., wht, tr. dolo & stn.
 93-94, dolo., f. suc., sat. stn, some cx.
 94-95, dolo., f. suc., sat. stn, consid.
 cx. (50%)
 95-96, dolo., f. suc., sat. stn, some cx.
 96-97, same
 97-98, same w/few small vugs.
 98-99, same
 99-2500, same w/inc. vug. poros.
 2500-01, same
 01-02, same w/ex. vug. por.
 02-03, same
 03-04, same
 04-05, same
 05-06, dolo., f. suc, vug. por. w/sp. stn
 06-07, same
 07-08, dolo., f. sucrose, sp. stn, some cx (10%)
 08-09, dolo, f. to v. large, v. ex. vug. poros.
 w/sat. stn.
 09-10, dolo., dense, f. xlyn, no stn, few
 sand grns, ss. m. gran, sat. stn.
 10-11, sandy dolo., sp. stn.
 11-12, same
 12-13, same
 13-14, same
 14-15, same w/inc. stn.
 15-16, dolo. ss. good stn.
 16-17, ss., sat. stn oil
 17-18, same
 18-19, ss. some dolo. cem., sat. stn
 19-20, same
 20-21, same
 21-22, ss. w/sat. stn
 22-23, same
 23-24, same
 24-25, same

Core #2, 2525-60, rec. 31'

2525-26, ss., f. to m. gran w/sat stn oil.,
 grains rounded to subang., friable.
 26-27, same
 27-28, same
 28-29, same
 29-30, ss., wht to grn, argill., w/sp. stn
 oil.
 30-31, ss., med. gran w/sat. stn oil.
 31-32, ss., f. gran w/sp. sat. stn oil
 32-33, same
 33-34, ss., f. to m. gran w/sat. stn oil,
 friable.
 34-35, same
 35-36, same
 36-37, ss., wh. to grn, argill., w/sp. stn o:
 37-38, siltstone, glauc. no stn.
 38-39, same w/some pyrite
 39-40, sandy brn ls. w/glauc. & some sh.
 pebbles, Conglomeritic.
 40-41, sandy gry-grn waxy shale.
 41-42, sh., gry to grn w/abundant red disc
 shaped hematite nod.
 42-43, sh., gry-grn w/abund. yellow to brn
 hem. nod.
 43-44, same
 44-45, ss., gry to grn, argill. shaley
 45-46, shale & sand
 46-47, same
 47-48, same
 48-49, sh., gry to gry-grn w/phos. pebbles
 49-50, sandy dolo., f. xlyn, v. dense
 50-51, dolo., gry, f. xlyn w/few scattered
 sand grains.
 51-52, sandy gry to gry-grn sh.
 52-53, ss., f. to m. gran. argill.
 53-54, sand, w.some grn sh.
 54-55, same
 55-56, same

Assumed last 4' lost.

A. ARMSTRONG, JR.
WARD M. EDINGER



Production Engineering Laboratories

855 BRANIFF BUILDING, OKLAHOMA CITY, OKLAHOMA

May 14, 1952

File: CG-3750

Re: Core Analysis
Magnolia Petroleum Company
M. A. Koogler #95
El Dorado Field
Butler County, Kansas

Magnolia Petroleum Company
917 First National Building
Wichita, Kansas

Attention: J. R. Puckett

Gentlemen:

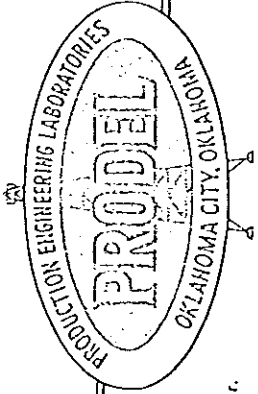
The Simpson sand is oil productive where permeable, from 2314 to 2336 feet. This section is summarized at the base of the coregraph with unit recoveries given.

Very truly yours,

PRODUCTION ENGINEERING LABORATORIES, INC.

WME:bc

Ward M. Edinger (L.A.)
Ward M. Edinger



Production Engineering Laboratories

2222 S. W. 4th St. May 13, 1952
 OKLAHOMA CITY 6, OKLAHOMA

A. ARMSTRONG, JR.
 RAY M. EDINGER

CORE ANALYSIS REPORT

Company... Magnolia Petroleum Company... Location... Sec... Twp... Rge... File OC-2750

Well... M. A. Kooglor #93... Elevation... Remarks...

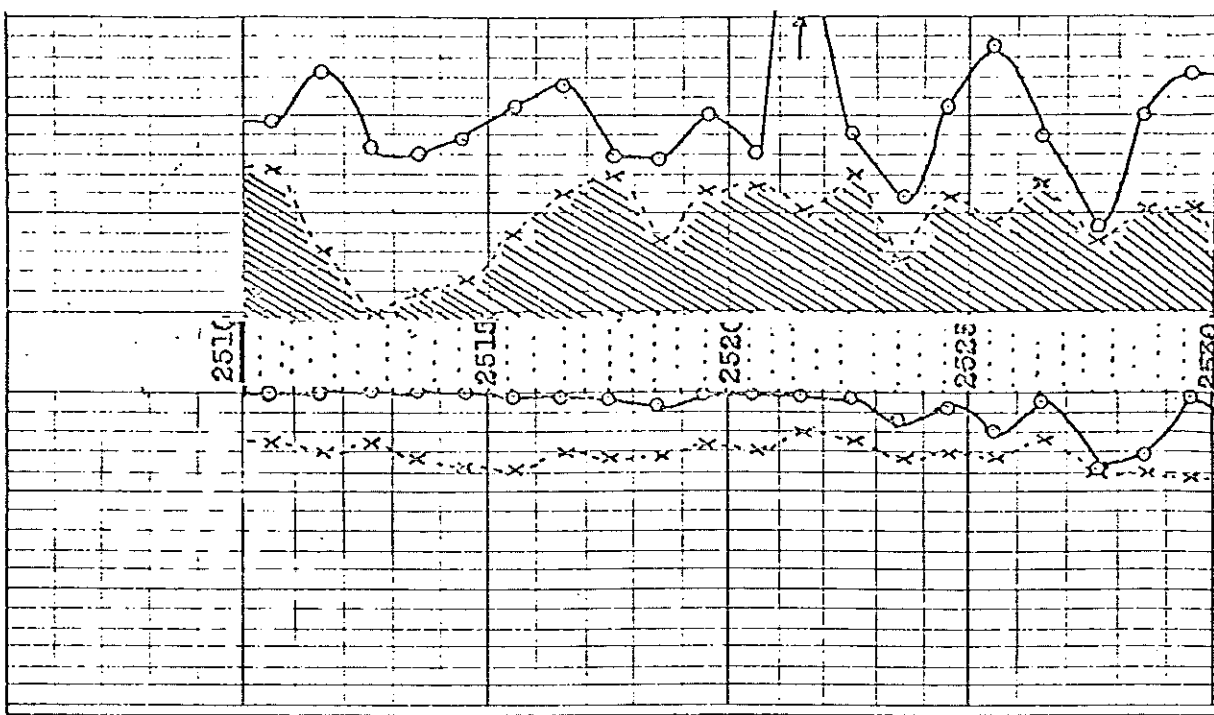
Field... El Dorado... Engineers... Prodol

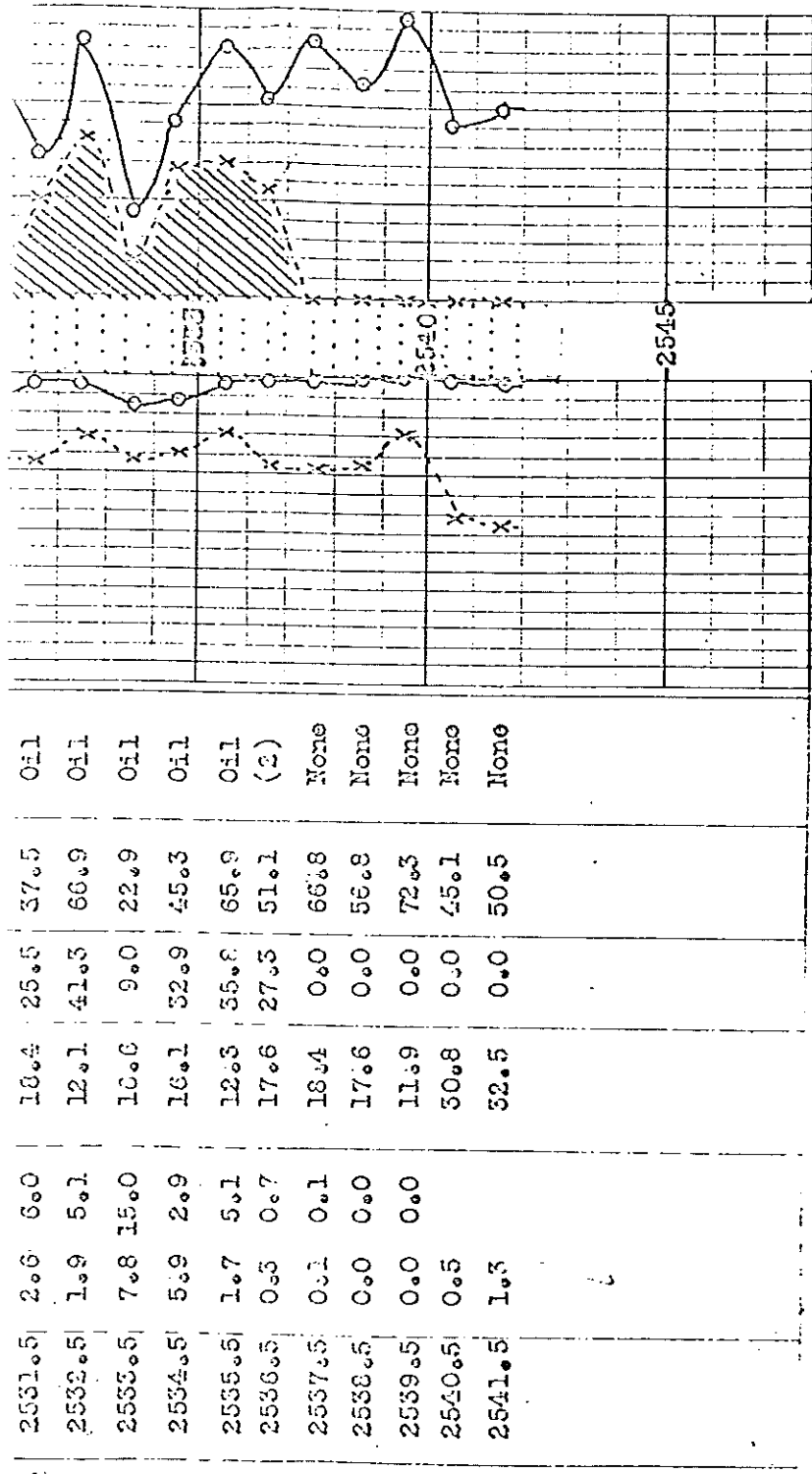
County... Butler... State... Kansas... Type Core Barrel...

Sample Number	Depth Feet	Permeability Millidarcys	Porosity Percent	Residual Saturation Percent Pore Space		Probable Production	Type Core Barrel								
				Oil	Water		Permeability	Porosity	Water Saturation						
							75	50	25	0	0	0	0	0	0
							60	40	20	0	0	0	25	50	75

Sample Number	Depth Feet	Permeability Millidarcys	Porosity Percent	Residual Saturation Percent Pore Space	Probable Production	
1	2510.5	0.0	10.4	36.5	48.1	None
2	2511.5	0.0	12.1	15.7	61.9	None
3	2512.5	0.0	10.7	0.0	42.1	None
4	2513.5	0.0	13.5	4.4	40.0	None
5	2514.5	0.5	14.8	8.1	43.9	Oil
6	2515.5	1.0	15.7	19.1	52.2	Oil
7	2516.5	1.3	12.8	30.5	58.6	Oil
8	2517.5	1.8	13.9	34.5	40.3	Oil
9	2518.5	2.0	12.9	17.8	30.5	Oil
10	2519.5	0.9	10.5	31.4	51.4	Oil
11	2520.5	0.7	11.9	31.9	40.3	Oil
12	2521.5	0.4	8.1	25.0	76.5	(2)
13	2522.5	1.0	9.8	44.7	44.9	Oil
14	2523.5	7.8	13.5	11.9	28.1	Oil
15	2524.5	3.3	12.5	29.6	52.0	Oil
16	2525.5	9.0	12.8	23.4	67.9	Oil
17	2526.5	1.6	9.8	32.7	44.9	Oil
18	2527.5	19.0	16.5	18.2	21.8	Oil
19	2528.5	16.0	15.9	25.2	50.0	Oil
20	2529.5	1.0	17.1	20.9	60.8	Oil

Simpson Sand





(1) See Letter
 (2) Low permeability—non pay

SUMMARY

Formation Name... SIMPSON Depth... 2510 to 2541.5 feet Core Recovery... 2541.5 feet
 productive formation recovered... 21 feet Possible productive formation... 2541.5 feet

Average of determined values:
 permeability... 10.5 mDarcy
 porosity... 14.0 percent
 saturation... 25.4 percent
 water saturation... 47.9 percent
 connate water... 35 percent
 gravity produced oil... 50.5 °API

Estimated or measured reservoir data used:
 Original solution gas/oil ratio... 180 cu. ft./bbl.
 Original formation volume factor... 1.15 bbls./bbl.
 Original saturation pressure... 700 PSI
 Original bottom hole pressure... 1080 PSI

(A) By capillary pressure
 (B) Empirical
 (C) Oil coring data
 (D) From fluid behavior analysis
 (E) Field measurement
 Permeability Distribution Factor
 (Perfect distribution — 1.0)

(3) Transition zone (a) Oil to water
 (b) Gas to oil (c) Gas to water
 (4) Oil—not commercially productive

Predicted unit recoverable oil in bbls. per acre foot
 By gas expansion to zero PSI... 107
 By complete water drive, pressure maintained... 313
 By pattern flooding to 95% water cut

(F) From electric log
 (G) From drilling time
 (H) From production data

ELEVATION—
1201.0 F.
1503 K.D.

OPERATOR— Magnolia Petroleum Co.
FARM— H.A. Kocigler No. 99
LOCATION— NE SW NW
FOOTAGE
S. T. R. (SUR.) SEC. 21-26S-5E
CO.-PA. Butler
STATE KANSAS
AREA M1 Sorredo Field

CASING RECORD:—

3 5/8" bot @ 103'
2 1/2" sat @ 2517'

DATE COMMENCED— 4/11/52

DATE COMPLETED— 5/16/52

PRODUCTION FORMATION—

Viola and Simpson

INITIAL PRODUCTION—

P 35 HO & 3 BH, 24 hours.
Gr. 32^o

REMARKS—

FORMATION	DEPTH	SUU-SEA	THICK	SOURCE
Lensing	1649	- 246		Shales.
Kansas City	1983	- 680		Shales
Skinner sand	2423	-1133		"
No Mississippian rocks apparent	2482	-1179		"
Viola	2516	-1213		"
Simpson	2558	-1255		Drlr.
Total Depth (corrected)				

Top Lensing 1649 -346

Top Kansas City 1983 -680

Top Skinner sd. 2423 -1133

Sp. sat. stn in samples from 2435-43.

No rocks of Mississippian age were recognized in samples.

Top Viola 2482 -1179.

Drilled to 2485, circ. samples show cherty dolomite w/sat. stn oil.

*Cored 2485-2525, full recovery. 2485-2510, dolo. w/sat. stn oil, 2510-16 sandy dolo w/sp stn of oil, 2516-2525, sandstone w/sat. stn oil.

Top Simpson 2516 -1213

*Cored 2525-60, rec. 51', 2525-40 sandstone w/cst. to sp. sat. stn oil, 2540-50 shale & sandstone, hematite indls. from 2541-42 (Red Rock) 2550-56 shale & ss. w/1' sandy dolo.

Total Depth 2560 = 2558 corrected.

Ran Colburner Interolog and Microlog.

5 1/2" sat @ 2517' & cen. w/100 necks

CO to bottom, washed w/100 gals. nah acid. Bailed 4 EO & 14 GWH, 2 hours.
Stratigraphic w/plug @ 2494, 1500 gals., 1125% sand, broke 1500#, 1200#, then to vac., flushed w/54 HO. Bailed 36 HLO, short 18 HLO

Bailed 20 HO & 1 BH, 24 hours, inc. 2 bbls. new oil; last 4 hrs. 34 GWH, no water.

Set plug 2512, perf. 2482-2508 w/105 sh., bailed 24 GWH, no water, 12 hours.

Refrined w/1000 gals., 53 BW on vac., bailed 24 GWH, 10 hrs., 50% LW.

Bailed 24 CO & 10 BWH, 24 hrs. sat 14 BWD. P 35 HO & 3 BH, 24 hrs. 12 - 27" SPI, Er. 32°

Case and Well No. 1. S. Saylor Number 93 Date: 1-1-75

General Findings of Water Analysis

Cell Production 1-2-0 Cells/Day
Water Production 11-5-0 Gals/Day
Pumping Rate 2-2-0 Gals/Day

Production Tank out of Order
Date Started 6-1-74 Batch 1 Storage Rate 0-5-0 PPM
1

Corrosion Test Coupon Data - Inches Per Year
Before Treatment MA With Present Treatment

Cost Rate - Dollars	Before Treatment	After Treatment
Labor & Pulling Machine Expense	<u>61.00</u>	<u>237.00</u>
Tools		<u>1.00</u>
Supplies		<u>30.00</u>
Jobbing		<u>57.00</u>
Supplies		<u>124.50</u>
miscellaneous		
Inhibitor		
Totals	<u>163.00</u>	

Time Interval: From 6-1-73 To 6-1-74 From 6-1-74 To 1-1-75

Cost Per Year 203.60 227.57

Losses Per Year 2 5

Days Off Per Year for Repairs 0.00 1.04

Estimated Profit or Loss from Inhibitor Treatment, \$/Yr. 140.00 *

REMARKS: * Yearly inhibitor cost only

WELL RECO.

ACIDIZING RECORDS:

Acidized on March 17, 1955 w/1000 gals 15% acid by Halliburton. Well took acid on vacuum. Flushed w/25 barrels water.

REMEDIAL WORK REPORT

WORK PERFORMED Cleaned Out
 BY J. H. Wagner - El Dorado, Kansas
 WORK COMMENCED July 30, 1955
 WORK COMPLETED August 1, 1955
 TOTAL DEPTH 2558'
 Measuring Pt. Kelly Bushing
 ELEVATION 1299'

REMARKS:

Moved in contract cable tools to clean out. Moved in, rigged up, pulled rods and tubing. Tools string in to 2523'. Washed hole and cleaned out to 2557'. One (1') foot of iron in bottom of hole. Run tubing, rods and put well to pumping. Well Complete.

NOTE: ALL MEASUREMENTS ARE KELLY BUSHING MEASUREMENTS - 2558' K.B.M. equals 2554' G.L.M.

PRODUCTION DATA

Production before cleaning out; 48 barrels oil, 100 barrels water.

Pumping test after cleaning out, completed on August 4, 1955 in the Viola Lime and Simpson Sand Formations: Viola Lime; top, 2483'; bottom, 2516'; Simpson Sand; top, 2516'; bottom, 2545'. Perforations in 5-1/2" casing, in Viola Lime formation, from 2482' to 2508', open hole, Simpson Sand formation from 2517' to 2557'. Well pumped on 24 hour test: rate 56 barrels oil; 84 barrels water. Pump set at 2545' with 1-1/2" plunger, 2" tubing 3/4" rods, 48" stroke, 20 S.P.M. Allowable 100%. Gravity 34.

Contractor's Statement

54 Hrs.	@	9.375	\$506.25
Moving In			133.80
Extra Labor			68.10
			<u>\$708.15</u>

ACIDIZING REPORT

Acidized on December 13, 1955 with 500 gallons 15% acid, through 2" tubing, under vacuum. Tubing flushed with 12 barrels water, casing flushed with 20 barrels water.

INTEROFFICE CORRESPONDENCE

FROM

J.P. McLaughlin - 11

DATE March 31, 1955

TO

W.C. Rouse - 11

SUBJECT:

ACIDIZING WELLS - EG PARADO

Dear Sir:

There is to appear that the well listed below was acidized during the month of March 1955.

M.A. KOCHLER WELL NO. 93

Acidized on March 17, 1955 with 1000 gallons, 15% acid, by Halliburton. Well took acid on vacuum. Flushed with 25 barrels water.

Yours very truly,

J.P. McLaughlin

DEAL WITH ONLY ONE SUBJECT IN EACH LETTER - WRITE - DO NOT TELEGRAPH OR TELEPHONE EXCEPT IN EMERGENCY

PRODUCTION WORK REPORT

LEASER NAME

L.L. Koogler

WELL NO.

93

LOCATION

970' WIL, 1650' FWL, NW/4
Section 21, 26S, 5E
Butler County, Kansas

WORK PERFORMED

Cleaned Out

BY

J.H. Wagner
El Dorado, Kansas

WORK COMMENCED

July 30, 1955

DATE

WORK COMPLETED

August 1, 1955

TOTAL DEPTH

2558'

MEASURING POINT

Kelly Dishing

ELEVATION

1299'

REMARKS:

Moved in contract cable tools to clean out. Moved in, rigged up, pulled rods and tubing. Tools string in to 2523'. Washed hole and cleaned out to 2557'. One (1') foot of iron in bottom of hole. Run tubing, rods and put well to pumping. Well Complete.

NOTE: ALL MEASUREMENTS ARE KELLY DUSHING MEASUREMENTS - 2558' K.D.H. equals 2554' G.I.M.

PRODUCTION DATA

Production before cleaning out; 48 barrels oil, 100 barrels water.

Pumping test after cleaning out, completed on August 1, 1955 in the Viola lime and Simpson Sand formations; Viola lime; top, 2483'; bottom, 2516'; Simpson Sand; top, 2516'; bottom, 2545'. Formations in 5-1/2" casing in Viola lime formation, from 2482' to 2508, open hole, Simpson Sand formation from 2517' to 2557'. Well pumped on 24 hour test; rate 56 barrels oil, 64 barrels water. Pump set at 2545' with 1-1/2" plunger, 2" tubing, 3/4" rods, 48" stroke, 20 S.P.M. Allowable 100%. Gravity 34.

COPY

January 5, 1956

J.F. Rosenberger - El Dorado, Kansas
W.B. Povers - Wichita, Kansas

ACIDIZING REPORT - EL DORADO DISTRICT

Dear Sir:

This is to advise that the well listed below was acidized during the month of December 1955.

M.A. KOOGLER WELL NO. 93

Acidized on December 13, 1955 with 500 gallons 15% acid, through 2" tubing, under vacuum. Tubing flushed with 12 barrels water, casing flushed with 20 barrels water.

Yours very truly,

LWT:

②

cc: E & P - (11-59)
 E. S. Walcott
 U. C. Kelpatnick

CLASSIFIED AS 716 HT HOLE 4-26-63

Mobil Oil Company
 SUPPLEMENT TO WELL RECORD

X-9070

LEASE: M.A. KOONER WELL NO. 12 DISTRICT WICHITA DATE 5-16-63 DIVISION DENVER

STATE: KANSAS COUNTY OR PARISH BUTLER

REASON FOR WORK: DRILL DEEPER TO DEVELOP PRODUCE

APPROPRIATION NO. DV # 2033 AMOUNT REQUESTED \$ 1000 APPROXIMATE EXPENDITURE \$ 800 ESTIMATED MONTHS TO PAY OUT 3 ABANDONMENT MONTHS TO PAY OUT 3 DATE WORK COMMENCED 4-23-63 DATE COMPLETED 4-27-63

WORK PERFORMED BY: WHITE AND ELLIS DRIG.

PRODUCTION BEFORE: 25 BOPD AND 483 BWPD

POTENTIAL TEST AFTER: 23 BOPD AND 506 BWPD - NOTE: VIOLA-SIMPSON PRODUCTION AND SAVING OF OPEN HOLE RESERVE

PREVIOUS T.D.	P.B.T.D.	AMOUNT REQUESTED	APPROXIMATE EXPENDITURE	ESTIMATED MONTHS TO PAY OUT	ABANDONMENT MONTHS TO PAY OUT	DATE WORK COMMENCED	DATE COMPLETED
2558	2557		\$ 800	3	3	4-23-63	4-27-63
2593	2593						

MEASURING POINT: KELLY BUCKLE # 6L-4
 MEASURING POINT: KELLY BUCKLE # 6L-4

PREVIOUS PRODUCING FORMATION(S) AND DEPTH(S): VIOLA PERM. 2557-2538
 PRESENT PRODUCING FORMATION(S) AND DEPTH(S): VIOLA PERM. 2482-2505
 SIMPSON 2517-2538

CHANGE(S) IN CASING RECORD: ARBUCKLE OPEN HOLE 2589-2593

SUMMARY OF OPERATIONS

blowd in cable tool and sealed casing. Cleaned out to 2557 KB and drilled deeper to TD 2593 KB. Encountered iron at 2557 and considerable casing of Simpson shale. Top Arbuckle by samples 2589 KB (-1286). Dumped 55 gal 15% acid with 10N de-emulsifying additive opposite Arbuckle open hole with boiler. Ran rods and tubing and resumed production.

WGM

U. C. Kelpatnick

Mobil Oil Company
SUPPLEMENT TO WELL RECORD

DATE 11-18-63

X-5970
LEASE M. A. Koofter WELL NO. 93 DISTRICT Wichita DIVISION Denver
STATE Kansas COUNTY OR PARISH Butler

REASON FOR WORK
Increase Artuclike production.

WORK OVER
 CLEAN OUT
 RECOMPLETION
 DRILL DEEPER
 REDRILL
 ABANDONMENT

APPROPRIATION NO. DV 2033A AMOUNT REQUESTED \$ 42,000 APPROXIMATE EXPENDITURE \$ 2,000 ESTIMATED MONTHLY PAY OUT 5
DATE WORK COMPLETED 6-23-63

WORK PERFORMED BY White & Ellis Drilling Co.
PRODUCTION BEFORE 23 B.O.P.D. & 403 B.W.P.D.
POTENTIAL TEST AFTER 30 B.O.P.D. & 381 B.W.P.D.

PREVIOUS T.D. 2593' P.G.T.D. 2593' - NONE MEASURING POINT (KB) - 4: 28 6L
PRESENT T.D. 2628' P.G.T.D. 2628' - NONE MEASURING POINT (KB) - 4: 28 6L

PREVIOUS RECORDING INFORMATION(S) AND DEPTH(S) PRESENT RECORDING INFORMATION(S) AND DEPTH(S)
Sump. # 2517-28', Arb. 2589-2628' Sump. O.H. 2517-38'
CHANGE(S) IN CASING RECORD Arb. O.H. 2589-2628'

None

SUMMARY OF OPERATIONS
 Moved in cable tools. Cleaned out 2580-93'. Drilled new hole 2593 - 2628', encountered caving and apparently some iron, approx 1050'. fluid in hole. Ran Lane Wells. Gamma Ray & Neutron logs. Ran Haliburton 4 1/4" Chen Hole packer on 27/8" C Tub. set @ 2592' w/ perf. @ 2598 & 2603' anchor on Bottom. safety jt. on top of pkr. & Cast Iron Disc on top of 4' handling sub. Scottd 500gal. NE Acid to Bottom of Tub. Broke cast iron disc @ 1100# & treated Arb. zones. Fluid communicated around pkr. w/csg loaded purped 1/4 Bbl per min. @ 200%. Flushed w/16 Bbl. lease oil. Load 16 Bbl. oil Plus 12 Bbls. acid water. Swabbed Libbels load Oil 4-12 Bbls acid Wtr. & 58 Bbls S.W. in 6 1/2 Hrs. Pulled Tub. & pkr. ran tub. & rods P O P.

TO: STATE CORPORATION COMMISSION
CONSERVATION DIVISION - PLUGGING
130 SOUTH MARKET, SUITE 2078
WICHITA, KANSAS 67202

API Well Number: 15-015-19732-00-00
Spot: NESWNW Sec/Twnshp/Rge: 21-26S-5E
3300 feet from S Section Line, 4413 feet from E Section Line
Lease Name: KOGLER Well #: 93
County: BUTLER Total Vertical Depth: 2556 feet

Operator License No.: 32979
Op Name: DUNNE INVESTMENTS OPERATING, I
Address: 8100 E 22ND ST N # 1100
WICHITA, KS 67226

String	Size	Depth (ft)	Pulled (ft)	Comment
PROD	5.5	2513		100 SX
SURF	8.625	103		85 SX

83.07

Well Type: OIL UIC Docket No: _____ Date/Time to Plug: 02/19/2008 8:00 AM
Plug Co. License No.: 5870 Plug Co. Name: PHILLIPS WELL SERVICE, INC.
Proposal Rcvd. from: GARY LARUE Company: DUNN INVESTMENTS OPERATING Phone: (316) 684-6508

Proposed Plugging Method: PER KCC REGULATIONS - PER DUANE KRUEGER

Plugging Proposal Received By: DUANE KRUEGER Witness Type: PARTIAL
Date/Time Plugging Completed: 02/19/2008 10:00 AM KCC Agent: DUANE KRUEGER

Actual Plugging Report:

RIH W/TBG @ 2394', CONSOLIDATED MIXED & PUMPED 50 SXS 60/40 POZ MIX 4% GEL. LAYED DOWN TUBING. 2-19-2008, RIH W/TBG @ 310'. CONSOLIDATED MIXED & PUMPED 140 SXS 60/40 POZMIX 4% GEL TO SURFACE. CEMENT CIRCULATED. PLUG DOWN 10:00 AM, 2-19-2008, CONSOLIDATED CEMENT TICKET #12942.

Perfs:

Top	Bot	Thru	Comments
2589	2628		
2517	2538		
2482	2508		

INVOICED

DATE 4-14-08
INV. NO. 2008061531

RECEIVED
KANSAS CORPORATION COMMISSION

APR 07 2008

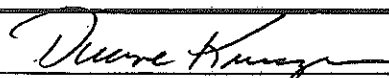
CONSERVATION DIVISION
WICHITA, KS

Remarks: BRIDGE PLUG @ 2510

Plugged through: TBG

District: 02

Signed



(TECHNICIAN)



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING APPLICATION
Please TYPE Form and File ONE Copy

Form CP-1
September 2003
This Form must be Typed
Form must be Signed
All blanks must be Filled

API # 15 - Drilled 1952 (Identifier Number of this well). This must be listed for wells drilled since 1967; if no API # was issued, indicate original spud or completion date 04-08-1952.

Well Operator: Dunne Investments Operating Inc KCC License #: 32979
(Owner/Company Name) (Operator's)

Address: 8100 E 22nd St. North Bldg # 1100 City: Wichita

State: Kansas Zip Code: 67226-2311 Contact Phone: (316) 684 - 6508

Lease: Koogler Well #: 93 Sec. 21 Twp. 26 S. R. 5 East West

NE SW NW Spot Location / QQQQ County: Butler

990 Feet (In exact footage) From North / South (from nearest outside section corner) Line of Section (Not Lease Line)

1650 Feet (In exact footage) From East / West (from nearest outside section corner) Line of Section (Not Lease Line)

Check One: Oil Well Gas Well D&A Cathodic Water Supply Well
 SWD Docket # _____ ENHR Docket # _____ Other: _____

Conductor Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

Surface Casing Size: 8 5/8 Set at: 103 Cemented with: 85 Sacks

Production Casing Size: 5 1/2 Set at: 2513 Cemented with: 100 Sacks

List (ALL) Perforations and Bridgeplug Sets: 2482-2508,2517-38,2589-2628 Bridge Plug 2510

Elevation: 1299 (G.L. / K.B.) T.D.: 2556 P.B.T.D.: _____ Anhydrite Depth: _____
(Stone Corral Formation)

Condition of Well: Good Poor Casing Leak Junk in Hole

Proposed Method of Plugging (attach a separate page if additional space is needed): per KCC Regulations- per Duane Kruger

Is Well Log attached to this application as required? Yes No Is ACO-1 filed? Yes No

If not explain why? Drillers Log Attached

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission.

List Name of Company Representative authorized to be in charge of plugging operations: Gary LaRue

Phone: (316) 651 - 6023

Address: Po Box 232 City / State: El Dorado, Kansas 67042

Plugging Contractor: Phillips Well Svc, Inc. KCC License #: 5890
(Company Name) (Contractor's)

Address: Po Box 1263, El Dorado, Kansas 67042 Phone: (316) 321 - 6650

Proposed Date and Hour of Plugging (if known?): ASAP

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Date: 11/26/07 Authorized Operator / Agent: *Duane Kruger*
(Signature)

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL PLUGGING APPLICATION
Please TYPE Form and File ONE Copy

Form CP-1
September 2003
This Form must be Typed
Form must be Signed
All blanks must be Filled

API # 15 - Drilled 1952 (Identifier Number of this well). This must be listed for wells drilled since 1967; If no API # was issued,

Indicate original spud or completion date 4-8-52

Well Operator: DUNNE INVESTMENTS OPERATING, INC. KCC License #: 32979

Address: 8100 E. 22ND STREET NORTH, BUILDING 1100 City: WICHITA, KS 67226-2311

State: KANSAS Zip Code: 67226-2311 Contact Phone: (316) 684 - 6508

Lease: Koogler Well #: 93 Sec. 21 Twp. 26 S. R. 5 East West

NE - SW - NW Spot Location / QQQQ County: Butler

990 Feet (in exact footage) From North / South (from nearest outside section corner) Line of Section (Not Lease Line)

1650 Feet (in exact footage) From East / West (from nearest outside section corner) Line of Section (Not Lease Line)

Check One: Oil Well Gas Well D&A Cathodic Water Supply Well
 SWD Docket # _____ ENHR Docket # _____ Other: _____

Conductor Casing Size: _____ Set at: _____ Cemented with: _____ Sacks

Surface Casing Size: 8 5/8 Set at: 103 Cemented with: 85 Sacks

Production Casing Size: 5 1/2 Set at: 2513 Cemented with: 100 Sacks

List (ALL) Perforations and Bridgeplug Sets: 2482-2508, 2517-38, 2589-2628 Bridge Plug 2510

Elevation: 1299 (G.L. / K.B.) T.D.: 2556 PBTD: _____ Anhydrite Depth: _____
(Stone Corral Formation)

Condition of Well: Good Poor Casing Leak Junk In Hole

Proposed Method of Plugging (attach a separate page if additional space is needed): Per KCC Regulations - per Duane Kruger

Is Well Log attached to this application as required? Yes No Is ACO-1 filed? Yes No

If not explain why? Drillers Log attached

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission.

List Name of Company Representative authorized to be in charge of plugging operations: Gary LaRue

Address: P O BOX 232 Phone: (316) 651 - 6023

City / State: EL DORADO, KS 67042

Plugging Contractor: PHILLIPS WELL SVC, INC. KCC License #: 5890

Address: P O BOX 1263, EL DORADO, KS 67042 Phone: (316) 321 - 6650

Proposed Date and Hour of Plugging (if known?): ASAP

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Date: 12-27-06 Authorized Operator / Agent: _____

(Signature)

Mall to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

October 20, 2015

Casey Coats
Vess Oil Corporation
1700 WATERFRONT PKWY BLDG 500
WICHITA, KS 67206-6619

Re: Plugging Application
API 15-015-19732-00-00
KOOGLER 93
NW/4 Sec.21-26S-05E
Butler County, Kansas

Dear Casey Coats:

The Conservation Division has received your Well Plugging Application (CP-1).

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 2 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 2's phone number is (316) 630-4000. Failure to notify DISTRICT 2, or failure to file a Well Plugging Record (CP-4) after the well is plugged will result in a penalty recommendation.

Under K.A.R. 82-3-600, you must file an Application for Surface Pit (CDP-1) if you wish to use a workover pit while plugging the well. Failure to timely file a CDP-1, failure to timely remove fluids, or failure to timely file Closure of Surface Pit (CDP-4) or Waste Transfer (CDP-5) forms will result in a penalty recommendation.

This receipt does NOT constitute authorization to plug this well if you do not otherwise have the legal right to do so.

This receipt is VOID after April 20, 2016. If the well is not plugged by then, you will have to submit a new CP-1 if you wish to plug the well.

The April 20, 2016 deadline does NOT override any compliance deadline given to you by Legal, District, or other Commission Staff. Failure to comply with any given deadline will still result in the Commission assessing penalties, or taking other legal action.

Sincerely,
Production Department Supervisor

cc: DISTRICT 2