

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 9123  
name Diamond Shamrock Exploration Co.  
address P. O. Box 400  
City/State/Zip Amarillo, Texas 79188-0001

Operator Contact Person Jay Voorhis  
Phone 806/378-3851

Contractor: license # 6033  
name Murfin Drlg. Co.

Wellsite Geologist Michel L. Russell  
Phone 316-776-0133  
PURCHASER Koch Oil Co.

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ~~WO~~ old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable

10-27-84 11-03-84 1-08-85  
Spud Date Date Reached TD Completion Date

3653 3610  
Total Depth PBD

Amount of Surface Pipe Set and Cemented at 332 feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated  
from 332 feet depth to Surf. w/ 240 SX cmt

API NO. 15 - 163-22,361 **3-7-20W**  
County Rooks  
SW SW SE Sec 3 Twp 7 Rge 20  East  West  
330 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

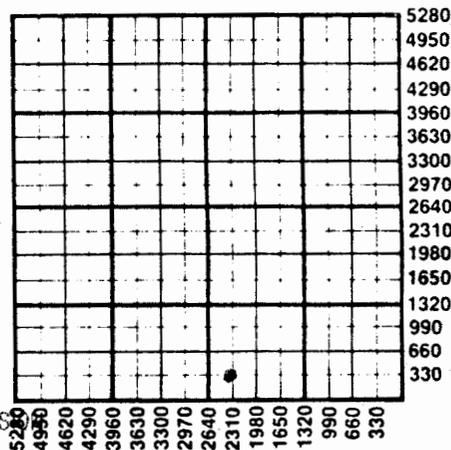
Lease Name Sandra K. Gottschalk Well# 1-3

Field Name Probasco

Producing Formation Lansing-Kansas City

Elevation: Ground 2174 KB 2180 KC-CC

Section Plat



RECEIVED  
STATE CORPORATION COMMISSION

JAN 17 1985 WATER SUPPLY INFORMATION

Source of Water:  
Wichita, Kansas  
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and  
(Well) Ft West From Southeast Corner of  
Sec Twp Rge  East  West

Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner  
Sec Twp Rge  East  West

Other (explain) (purchased from city, R.W.D.#)

Disposition of Produced Water:  Disposal  Repressuring

Docket # CD-28,317  
C-21,754

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 apply.

Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months.

Copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with temporarily abandoned wells.

JAN 25 1985  
State

Diamond Shamrock  
Exploration Company

SIDE TWO  
Sandra K.

Lease Name Gottschalk Well# 1. SEC 3... TWP. 7S.. RGE. 20...  East  West

WOS-1-8

**WELL LOG**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

**Formation Description**  
 Log  Sample

DST#1 - 3384-3423 - 30/90/45/135, 1st open blow off btm of bucket in 4 min. FP 49/393, SIP 946. 2nd open - slight blow. 8" f/top of bucket decrease to 4" f/top. FP 408/589, SIP 930, Rec. 1410' clean oil (31° API @60°F) 120' oil cut mud.

Name	Top	Bottom
Topeka	3150	
Heebner	3355	
Toronto	3380	
Lansing	3397	
B/Kansas City	3598	
Arbuckle	3646	

<b>TUBING RECORD</b> size 2 3/8" set at 3597 packer at		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First Production 11-29-84	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)		
Estimated Production Per 24 Hours	Oil 239 Bbls	Gas --- MCF	Water 49 Bbls
			Gas-Oil Ratio --- CFPB
			Gravity

Disposition of gas:  vented  
 sold  
 used on lease

**METHOD OF COMPLETION**  
 open hole  perforation  
 other (specify)

**PRODUCTION INTERVAL**  
 3451-3585

Dually Completed.  
 Commingled

<b>CASING RECORD</b> <input checked="" type="checkbox"/> new <input type="checkbox"/> used							
Report all strings set - conductor, surface, intermediate, production, etc.							
Purpose of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	type and percent additives
Surf.	12 1/4"	8 5/8"	24#	332	"A"	240	3% cc
Prod.	7 7/8"	4 1/2"	9.5#	3640	EA2	200	
					Howco lite	450	

<b>PERFORATION RECORD</b>		<b>Acid, Fracture, Shot, Cement Squeeze Record</b>	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	3559-3564	100 gal 15% Mud acid	3559-64
2	3543-46; 3582-85	2000 gal 15% NE acid	3543-85
4	3489-3492		3489-92
4	3474-3477	3000 gal 15% NE acid	3474-347
4	3451-3453		3451-53

3-7-20W  
A5E 45056-11001326

Cabot 320D-256-100

Lease Name Sandra K. Gottschalk  
 Location 330' FSL F2310' FEL  
 Sec.      Blk.      Sur.       
 Sec. 3 Twp. 7S Rge. 20 West  
 County, State Rooks County, Kansas  
 Dia. Shamrock WI 100%  
 Init. Potential x OIL      GAS       
239 BOPD, 49 BWPD,      MCFD,      GOR,      SITP,      SIBHP,      SICP

Well No. 1 Spud Date 10-27-84  
 Rig Released 11-3-84  
 Date Completed 1-07-85  
 Field Probasco Form Lansing - KC  
 Date 1st Prod.       
 Connected      PL KOCH OIL  
 Rate       
 Purchaser KOCH OIL

Surface Casing

8 5/8 "  
332 , K55 , 24 #  
 Set @ 332' KB  
 W/ 240 sks Class "A" 3% CC  
 Tailed in w/      sks Class     

Production Casing

4 1/2 "  
     , K55 , 9.5 #  
 DV + ol, @ 1735' #  
450 sx, Howco Lite #  
 Set @ 3640'  
 W/ 200 sks Class EA2  
 Cement Top @ 2850'  
 Determined by CBL

Prod Liner CIBP set @ 3610' KB  
 "      #  
 Top Liner @       
 Bottom Liner @       
 Cemented w/      sks Class       
 Cement Top @       
 Determined by     

Perforation Record

1.	3559	'to 3564	' 2	SPF	11 holes
2.	3543	'to 3546	' 2	SPF-K <sub>2</sub>	14
3.	3582	'to 3585	' 2	SPFL	7 holes
4.	3489	'to 3492	' 4	SPF	13 holes
5.	3474	'to 3477	' 4	SPF	13 holes
6.	3451	'to 3453	' 4	SPF	9 holes

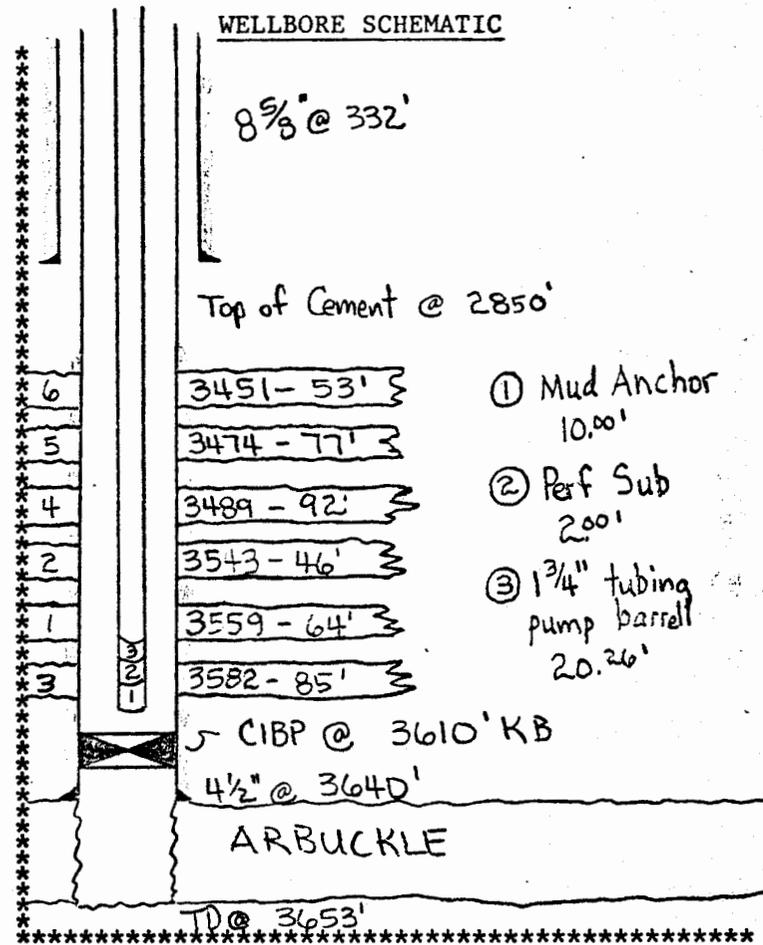
Tubing Record

2 3/8 " , K55 , 4.7 # , 112 its Ft.  
 " , " , " , " Ft.  
 Tubing Set @ 3597' KB Ft.  
 Packer Model      set @       
 set @ 3585  
 Perf Sub     

Prepared by Jay Voorhis  
 Date 11-26-84

2174' GL 2180' KB

WELLBORE SCHEMATIC



ACID JOB

- 1000 gallons 15% Mud Acid.
- (3) 2000 gallons 15% NE Acid w/ 25 balls.
- (4), (5) & (6) 3000 gallons 15% NE Acid w/ 50 balls.

FRAC JOB

MAR 2 1985

STATE CORPORATION COMMISSION

FEB 28 1985

State Geological Survey  
 WICHITA BRANCH

CONSERVATION DIVISION  
 Wichita, Kansas

Oil Gravity = 33° API @ 51° F