

STATE CORPORATION COMMISSION OF KANSAS

OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 3180
Name: Deutsch Oil Company
Address 107 North Market - Suite 1115

City/State/Zip Wichita, KS 67202

Purchaser: Unknown-Gas Koch-Oil

Operator Contact Person: Kent Deutsch
Phone (316) 267-7551

Contractor: Name: Duke Drilling Co., Inc.
License: 5929

Wellsite Geologist: Kent Deutsch

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp. Abd.
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:
Operator: _____

Well Name: _____
Comp. Date _____ Old Total-Depth _____

Drilling Method:
 Mud Rotary Air Rotary Cable
5-8-90 5-17-90 6-21-90
Spud Date Date Reached TD Completion Date

API NO. 15- 007-22,300-00-00

County Barber
175- East of
NW SW NW Sec. 34 Twp. 30 Rge. 15 East West

3630 Ft. North from Southeast Corner of Section
4775 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

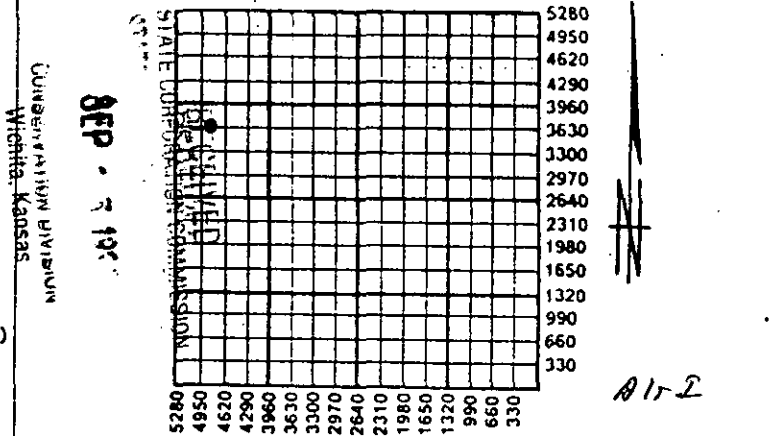
Lease Name Cross Well # 1-34

Field Name _____

Producing Formation Emporia

Elevation: Ground 1733 KB 1741

Total Depth 4550' PBDT _____



Amount of Surface Pipe Set and Cemented at 329' Feet.

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____ feet depth to _____ w/ _____ sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature [Signature]
Title Owner Date 9-13-90

Subscribed and sworn to before me this 13 day of Sept, 1990.

Notary Public Juanita J. Houlik

Date Commission Expires November 25, 1993



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug. Other.
(Specify)

SIDE TWO

Operator Name Deutsch Oil Company Lease Name Cross Well # 1-34
 Sec. 34 Twp. 30 Rge. 15 East County Barber West

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.) Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;">Formation Description</p> <p style="text-align: center;"><input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: center;">Top</th> <th style="text-align: center;">Bottom</th> </tr> </thead> <tbody> <tr><td>Chase</td><td style="text-align: center;">2020</td><td style="text-align: center;">-279</td></tr> <tr><td>Emporia</td><td style="text-align: center;">3090</td><td style="text-align: center;">-1349</td></tr> <tr><td>Heebner</td><td style="text-align: center;">3688</td><td style="text-align: center;">-1947</td></tr> <tr><td>Douglas</td><td style="text-align: center;">3732</td><td style="text-align: center;">-1991</td></tr> <tr><td>Lansing</td><td style="text-align: center;">3868</td><td style="text-align: center;">-2127</td></tr> <tr><td>Base K.C.</td><td style="text-align: center;">4290</td><td style="text-align: center;">-2549</td></tr> <tr><td>Marmaton</td><td style="text-align: center;">4316</td><td style="text-align: center;">-2575</td></tr> <tr><td>Viola</td><td style="text-align: center;">4424</td><td style="text-align: center;">-2683</td></tr> </tbody> </table>	Name	Top	Bottom	Chase	2020	-279	Emporia	3090	-1349	Heebner	3688	-1947	Douglas	3732	-1991	Lansing	3868	-2127	Base K.C.	4290	-2549	Marmaton	4316	-2575	Viola	4424	-2683
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CASING RECORD New 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
Surface	12 1/2"	8-5/8"	20#	329'	60/40poz	190	2% gel 3% cc
Production	7-7/8"	4 1/2"	10.5#	4545'	60/40poz Lite	175 50	

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4474-4484	500 gal. 10% MCA 3000 gal. 15% NE	
2	4452-4462	no treatment	
2	3090-3097	500 gal. 15% NE	

TUBING RECORD Size 2 3/8" Set At 3197 Packer At _____ Liner Run Yes No

Date of First Production SI Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 00 Bbls. Gas CAOF Mcf 560 Water 0 Bbls. Gas-Oil Ratio _____ Gravity _____

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Commingled Other (Specify) _____

Production Interval 3090-3097

Cross No. 1-34

DST No. 1 Emporia 3087-3120, 30-60-30-90, Gas to Surface 3",
Ga. 398 MCFGPD. Rec: 60 ft. HGCM with trace of oil, 240 ft.
HO&GC Watery Mud, 60 ft. OCMW. HP: 1489#-1469#, IFP: 203#-203#,
ISIP: 1155#, FFP: 213#-213#, FSIP: 1155#, BHT: 100 F.

DST No. 2 Marmaton 4290-4350, 15-30-15-30, Rec: 20 ft. Mud.
HP: 2196#-2176#, IFP: 101#-101#, ISIP: 101#, FFP: 101#-101#,
FSIP: 101#, BHT: 110 F.

DST No. 3 Ft. Scott 4380-4450 Rec.: 150 ft. GCM with show of Oil
HP: 2317#-2297#, IFP: 111#-111#, ISIP: 243#, FFP: 193#-193#, FSIP: 264#,
BHT: 111 F.

Dst No. 4 Viola 4452-4495, 30-60-30-60, Rec: 120 ft. O&GCM, 120 ft.
GCMO. HP: 2317#-2307#, IFP: 111#-111#, ISIP: 406#, FFP: 162#-162#,
FSIP: 355#, BHT: 111 F.

ORIGINAL