

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

API NO. 15- 151-22133 ⁰⁰⁻⁰⁰ ORIGINAL

County Pratt

SW - NW - SW Sec. 4 Twp. 26 Rge. 11 X W

1650 Feet from S (circle one) Line of Section

330 Feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or S (circle one)

Lease Name Nelson Well # 2-4

Field Name Bauman

Producing Formation Mississippi

Elevation: Ground 1843' KB 1851'

Total Depth 4200' PBDT

Amount of Surface Pipe Set and Cemented at 242 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set RECEIVED
KANSAS CORPORATION COMMISSION

If Alternate II completion, cement circulated from
FEB 09 1995
feet depth to w/ sx cmt.

Drilling Fluid Management Plan ALT 1000
(Data must be collected from the Reserve Pit WICHITA, KS)

Chloride content 48000 ppm Fluid volume 320 bbls

Dewatering method used Vacuum Truck

Location of fluid disposal if hauled offsite:

Operator Name Bullseye Roustabout Service

Lease Name Clark License No. 31056

NW Quarter Sec. 10 Twp. 26 S Rng. 12W E/W

County Pratt Docket No. D-21,405

Operator: License # 3180

Name: Deutsch Oil Company

Address 170 North Market - Suite 1115

City/State/Zip Wichita, KS 67202

Purchaser: Texaco Republic Natural Gas Co.

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

X Oil SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSV, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

11-29-94 12-04-94 1-13-95
Spud Date Date Reached TD Completion Date

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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). One copy of all wireline logs and geologist well report 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.

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.

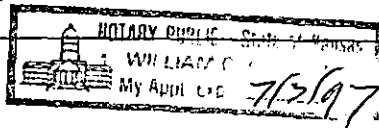
Signature [Signature]

Title Owner Date 2/9/95

Subscribed and sworn to before me this 9th day of FEBRUARY, 19 95.

Notary Public [Signature]

Date Commission Expires 7/7/97



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

Operator Name Deursch Oil Co. Lease Name Nelson Well # 2-4
 Sec. 4 Twp. 26 Rge. 11 East West
 County Pratt

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 (Attach Additional Sheets.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3414	-1563
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Brown Lime	3594	-1743
List All E.Logs Run:		Lansing	3624	-1773
Dual Induction		Base K.C.	3947	-2096
Comp. Neutron Density		Mississippi	4034	-2183
Frac. Finder		Kinderhook	4142	-2291
Coral				

CASING RECORD <input 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
Surface	12 1/2	10-3/4"	40#	242'	60/40 Poz	200	3%CC 2%gel
Production	12 1/2	5-1/2"	14#	4195'	60/40 Poz	150	2%gel latex last/50

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type	Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
1	4038-4048, 61, 62, 63, 65, 67, 69, 73	2000 gals. 10% MCA	
	77, 85, 89, 91, 93.	170000# 16/30 sd.	
		20000# 12/20 sd.	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 7/8"	4099'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
1-13-95	<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 Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	76	200	20		41

Disposition of Gas: Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled

METHOD OF COMPLETION: 4038-4093

Production Interval: 4038-4093

ALLIED CEMENTING CO., INC. 0887

ORIGINAL

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: med. hodge, ks

12-4-94

DATE 12-5-94	SEC. 4	TWP. 26	RANGE 11	CALLED OUT 10:30 A.M.	ON LOCATION 1:00 A.M.	JOB START 4:30 A.M.	JOB FINISH 6:00 A.M.
LEASE Nelson			WELL# 2-4	LOCATION Preston, Ks, 3N-1E-1/4N		COUNTY Pratt	STATE Ks.

OLD OR NEW (Circle one)

CONTRACTOR Duke Drlg.

TYPE OF JOB Production Casing

HOLE SIZE 7 7/8 TD. 4200

CASING SIZE 5 1/2 x 14 DEPTH 419.5'

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 x 16.60 DEPTH 4200'

TOOL _____ DEPTH _____

PRES. MAX 1000 MINIMUM 100

MEAS. LINE _____ SHOE JOINT 31.50

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER Deutsch oil Co.

CEMENT

AMOUNT ORDERED 125 sks. 60' 40' 2% Gel
50 sks. 60' 40' 2% Gel + 1.2% FL-SP

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Karry Drilling

265 HELPER Justin Hart

BULK TRUCK

252 DRIVER Tim Semple

BULK TRUCK

_____ DRIVER _____

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SERVICE FEB 09 1995

REMARKS:

Start Fresh H₂O. Plug Rathole
w/ 15 sks. mouse hole w/ 10 sks.
Cement w/ 100 sks. Followed w/ 50 sks
Cement. Stop Pumps, wash out
Pump & lines. Release Plug. Displace
Plug to 4163.5. Bump Plug.
Release PSI. Float Did HOLD.

DEPTH OF JOB 419.5' CONSERVATION DIVISION
WICHITA, KS

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

PLUG _____ @ _____

_____ @ _____

_____ @ _____

TOTAL _____

CHARGE TO: Deutsch oil Co.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

TOTAL

Date 12-5-94 District med. hodge Ticket No. 0887
 Company Deutsch Oil Co. Rig Duke #2
 Lease Nelson Well No. 2-4
 County Pratt State KANSAS
 Location Preston, Ks. 3N-1E-1/4N Field 4-26-11

CEMENT DATA: Späcer Type: Fresh H₂O
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 5 1/2 Type F-55 Weight 14 Collar _____

LEAD: Pump Time _____ hrs. Type 60:40:2%Gel
 Excess _____

Amt. 125 Sks Yield 1.26 ft³/sk Density 14.8 PPG

TAIL: Pump Time _____ hrs. Type 60:40:2%Gel
 Excess _____

Amt. 50 Sks Yield 1.26 ft³/sk Density 14.8 PPG

WATER: Lead 5.6 gals/sk Tail 5.6 gals/sk Total 23 Bbls.

Burst: 4,270 PSI Collapse: 3,120 PSI

Casing Depths: Top _____ Bottom _____

Pump Trucks Used #255-236-Justin Hart
 Bulk Equip. #258,252-Tim Sample

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Drill Pipe: Size 4 1/2 Weight 16.6 Collars X-Hole
 Open Hole: Size 7 7/8 T.D. 4200 ft. P.B. to _____ ft.

Float Equip: Manufacturer _____

Shoe: Type AFU FEB 09 1995 Depth _____

Float: Type AFU Depth 4163.5

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. .0244 Lin. ft./Bbl. 40.98

Open Holes: Bbls/Lin. ft. .0602 Lin. ft./Bbl. 16.5993

Drill Pipe: Bbls/Lin. ft. .0142 Lin. ft./Bbl. 70.32

Annulus: Bbls/Lin. ft. .0309 Lin. ft./Bbl. 32.4065

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____ CONSERVATION DIVISION

Special Equip. _____ WICHITA, KS

Perforations: From _____ ft. to _____ ft. Amt. _____

Disp. Fluid Type Fresh H₂O Amt. 125 Bbls. Weight 8.34 PPG

Mud Type Chemical Weight 9.3 PPG

COMPANY REPRESENTATIVE John Armbruster

CEMENTER Larry D. Dierling

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
4:30	400		140	20	0.7	Rig up and hold Job Procedure
4:32						Pipe on Bottom. Circ.
4:35						Rig up to Pump.
4:37	400		10	2	.5	Start Fresh H ₂ O Flush
4:40	50		3	1	.2	Flush In. Stop Pumps.
4:42	50		2	1	.2	Plug Rathole w/ 15 sks.
						Plug mouse hole w/ 10 sks.
						Rig up to Head
4:50	300		22	5	.5	Start lead cement, cement w/ 100 sks. Steady PSI.
						Lead In. Start Tail Cement, cement w/ 50 sks. Cement
						Steady PSI.
4:55	250		11	2	.5	TAIL In. Stop Pumps.
4:57	50		7	3	.3	Wash Pump and lines
						Release Plug.
5:00						Start Fresh H ₂ O Displace
5:03	150					Steady PSI.
5:15	200			12	.5	Fresh H ₂ O at shoe
5:17	350		71	2	.5	Lead at shoe, PSI Increase
5:21	400		94	4	.5	TAIL at shoe
5:23	500					PSI Increase, steady rate.
5:24	500		96	2	.2	Decrease Rate
5:30	1000		105	6	.2	Bump Plug
						Release PSI Float did hold.

FINAL DISP. PRESS: 500 PSI BUMP PLUG TO 1000 PSI BLEEDBACK 1/4 BBLs.