

SIDE ONE

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

API NO. 15- 185-22,629-0000

County Stafford

C S/2 S/2 NW Sec. 4 Twp. 22S Rge. 14 x East West

2970 Ft. North from Southeast Corner of Section

3960 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

Lease Name Gartung Well # 8

Field Name Radium Townsite

Producing Formation Arbuckle

Elevation: Ground 1940 KB 1945

Total Depth 3915' PBTD _____

Operator: License # 6111

Name: N-B Company, Inc.

Address P. O. Box 506

City/State/Zip Russell, Kansas 67665-0506

Purchaser: _____

Operator Contact Person: Kyle B. Branum

Phone (913) -483-5345

Contractor: Name: Emphasis Oil Operations

License: 8241

Wellsite Geologist: Jim Musgrove

Designate Type of Completion

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

If ~~OLD~~: old well info as follows:

Operator: _____

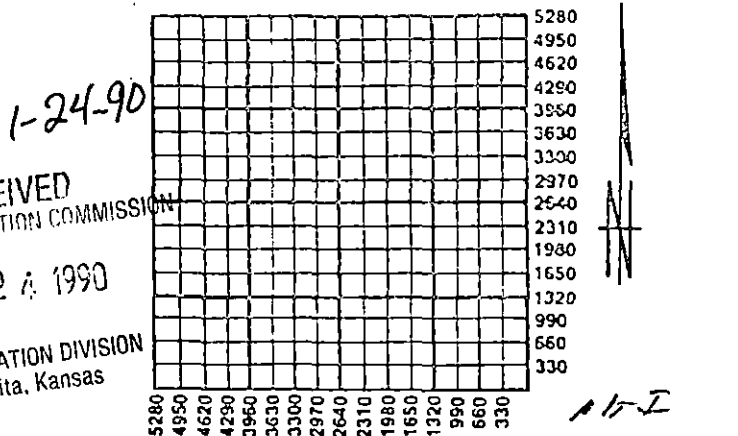
Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

- Mud Rotary Air Rotary Cable

11/27/89 12/4/89 12-4-89
Spud Date Date Reached TD Completion Date



Amount of Surface Pipe Set and Cemented at 416 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 James P. Davis
Title President Date 1-2-90

Subscribed and sworn to before me this 23 day of January, 1990.

Notary Public H. D. Boyd
H. D. Boyd



Date Commission Expires _____

K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received

Distribution

KCC SMD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name N-B Company, Inc. Lease Name Gartung Well # 8
 Sec. 4 Twp. 22S Rge. 14 East County Stafford
 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 type="checkbox"/> Yes <input checked="" 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 style="width:100%; border: none;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Bottom</td> </tr> <tr> <td>Arbuckle</td> <td>3844'</td> <td></td> </tr> </table>	Name	Top	Bottom	Arbuckle	3844'	
Name	Top	Bottom					
Arbuckle	3844'						

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 1/4"	8 5/8"	25#	416'	60/40 pozmix	215	
Production	7 7/8"	4 1/2"	9.5#	3914'	60/40 pozmix	150	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
4	3853-3857'			250 gal. DSFE	15%	3853'	
TUBING RECORD							
Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
2 3/8"	3911						
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
1/2/90							
Estimated Production Per 24 Hours	Oil	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
	32	0		0			

Disposition of Gas:	METHOD OF COMPLETION	Production Interval
<input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, submit ACO-18.)	<input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perforation <input type="checkbox"/> Dually Completed <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	_____

JAMES C. MUSGROVE
Petroleum Geologist
2021 Forest
Great Bend, Kansas 67530

Office Phone 792-7716

Condor Energy, Inc.
Gartung #8
S/2-S/2-NW, Section 4-22S-14W
Stafford County, Kansas

4 1/2" PRODUCTION CASING SET

CONTRACTOR: Emphasis Drilling (Rig #5)
COMMENCED: November 27, 1989
COMPLETED: December 3, 1989
ELEVATIONS: 1945' K.B., 1943' D.F., 1940' G.L.
MEASUREMENTS: All depths measured from the Kelly Bushing.
CASING PROGRAMS: Surface: '8 5/8" @ 416'
Production: 4 1/2" @ 3914'
SAMPLES: Samples saved and examined 3200' to the R.T.D.
DRILLING TIME: Drilling recorded and kept 3200' to the R.T.D.
FORMATION TESTING: There were two (2) drill stem tests run by Swift Formation Testing.
ELECTRIC LOG: By Halliburton Logging Services, Inc., Guard Sidewall Neutron, Compensated Density Sidewall Neutron and Computer Analyze Log.

<u>FORMATION</u>	<u>LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	858	+1087
Heebner	3332	-1387
Toronto	3354	-1409
Douglas	3367	-1422
Brown Lime	3452	-1507
Lansing	3461	-1516
Base Kansas City	3696	-1715
Viola	3764	-1819
Simpson Shale	3793	-1848
Arbuckle	3844	-1899
Log Total Depth	3912	-1967
Rotary Total Depth	3915	-1970

(All tops and zones corrected to log measurements)

SAMPLE ANALYSIS, SPOWS OF OIL, TESTING DATA, ETC.

TORONTO SECT **RECEIVED**
STATE CORPORATION COMMISSION
3355-3360

JAN 24 1990

Limestone, gray, fossiliferous, slightly

CONSERVATION DIVISION
Wichita, Kansas

Condor Energy, Inc.
Gartung #8
S/2-S/2-NW, Section 4-22S-14W
Stafford County, Kansas

Page Two

chalky, no shows.

LANSING SECTION

3466-3471 Limestone, cream to white, oolitic, chalky, poorly developed porosity, no shows.

3491-3496 Limestone, gray to cream, sub-ocastic, oolitic in part, no shows.

3506-3511 Limestone, cream, slightly granular, few oocastic, chalky, no shows.

3534-3540 Limestone, white, chalky, no shows.

3548-3576 Limestone, gray to cream, oocastic, fair oocastic porosity, chalky in part, trace dull gray to brown stain, no show of free oil or odor in fresh samples.

3590-3595 Limestone, gray, oocastic, fair to good oocastic porosity, no shows.

3607-3616 Limestone, tan to gray, oolitic, slightly cherty, poor visible porosity, no shows.

3626-3638 Limestone, beige to brown, oocastic, good oocastic porosity, no shows.

3657-3662 Limestone, gray, slightly fossiliferous, chalky, no shows.

3686-3690 Limestone, tan, finely crystalline, cherty in part, no shows.

VIOLA SECTION

3765-3780 Chert, white to gray, boney, blocky black stain, no show of free oil or odor, few trace brown stain.

3780-3794 Chert, as above.

SIMPSON SECTION

3799-3806 Sand, fine grained, sub rounded to sub angular, friable, black stain, no show of free oil or odor in fresh samples.

3811-3819 Dolomitic sand, yellow to brownish green, poor porosity, shaley, no shows.

ARBUCKLE SECTION

3844-3850 Dolomite, gray, fine to medium crystalline, scattered crystalline porosity, spotty brown to black stain, show of free oil and fair odor in fresh samples.

Condor Energy, Inc.
Gartung #8
S/2-S/2-NW, Section 4-22S-14W
Stafford County, Kansas

Page Three

ARBUCKLE SECTION

3850-3857 Dolomite, tan to beige, oocastic, few medium crystalline, fair porosity, fair to good stain and saturation, fair to good show of free oil and good odor in fresh samples.

DRILL STEM TEST #1 - 3850-3857

Misrun - plugged tool and anchor.

3857-3861 Dolomite, gray, medium crystalline, fair intercrystalline porosity, brown to black stain, fair show of free oil and good odor in fresh samples.

DRILL STEM TEST #2 - 3850-3861

Open: I.F. 45"
F.F. 60"

Blow: Weak, slowly decreasing; flush tool three times building to fair.

F.F. Fair to good.
Remark: Slid tool 15'.

Recovery: 110' gas in pipe
315' clean gassy oil
115' mud cut gassy oil

Pressures: I.S.I.P. - 1116 p.s.i.
F.S.I.P. - 1034 p.s.i.
I.F.P. - 58-58 p.s.i.
F.F.P. - 67-142 p.s.i.
H.S.H. - 1882-186 p.s.i.

3861-3867 Dolomite, as above, plus gray sucrosic, fair porosity, fair to good dark brown to black stain and saturation. Show of free oil and fair odor in fresh samples.

3867-3873 Blue green shale.

3880-3886 Dolomite, medium crystalline, few sandy, fair stain and saturation, show of free oil and fair odor in fresh samples.

3896-3906 Dolomite, gray to cream, medium crystalline, fair porosity, black tarry stain, show of free oil (tarry-dead) and fair odor in fresh samples.

3906-3915 Dolomite, tan to cream to pink, fine to medium crystalline, few cherty, decreasing

Condor Energy, Inc.
Gartung #8
S/2-S/2-NW, Section 4-22S-14W
Stafford County, Kansas

Page Four

stain, no show of free oil or odor in
fresh samples.

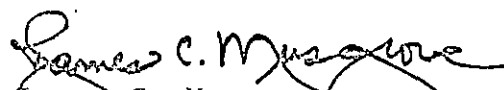
Log Total Depth: 3912 (-1967)
Rotary Total Depth: 3915 (-1970)

RECOMMENDATIONS:

On the basis of the favorable structural position and the positive results of Drill Stem Test #2, it was recommended that 4 1/2" production casing be set and cemented at 3914' (one foot off bottom) and the following zones be tested in the Gartung #8:

- | | |
|-------------|-----------|
| 1) Arbuckle | 3853-3859 |
| 2) Arbuckle | 3846-3850 |

Respectfully submitted,


James C. Musgrove
Petroleum Geologist

JCM:ac

EMPHASIS OIL OPERATIONS

P. O. BOX 506

RUSSELL, KS 67665

DRILLERS LOG

OPERATOR: N-B Company, Inc.
P. O. Box 506
Russell, Kansas 67665-0506

CONTRACTOR: Emphasis Oil Operations
Box 506
Russell, KS 67665

LEASE: Gartung WELL #8

LOCATION: C S/2 S/2 NW
Section 4-22S-14W
Stafford County, Kansas

LOGGERS TOTAL DEPTH: 3912'

ROTARY TOTAL DEPTH: 3915'

COMMENCED: 11/27/89

CASING: 8-5/8" @ 416' w/215 sks cement
4-1/2" @ 3914' w/150 sks cement

ELEVATION: "

COMPLETED: 12/4/89

STATUS: Oil Well

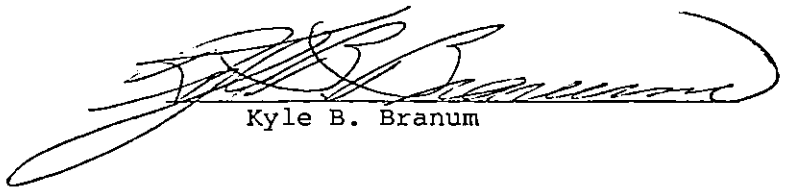
DEPTHS & FORMATIONS

(All measurements from K.B.)

Top Soil & Sand	220'	Shale & Redbed	863'
Shale	305'	Anhydrite	902'
Dakota	390'	Shale	1400'
Shale	419'	Shale & Lime	3856'
Shale & Red Bed	731'	Arbuckle	3857'
Cedar Hills	763'	R.T.D.	3915'

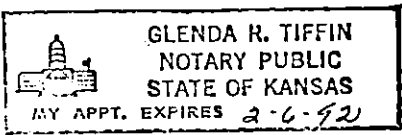
STATE OF KANSAS)
) ss
COUNTY OF RUSSELL)

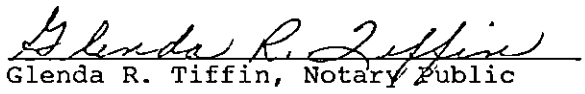
Kyle B. Branum, of Emphasis Oil Operations, states that the above and foregoing is a true and correct log of the above captioned well, to the best of his knowledge.


Kyle B. Branum

Subscribed and sworn to before me on December 4, 1989.

My commission expires: February 6, 1992.




Glenda R. Tiffin, Notary Public

RECEIVED
STATE CORPORATION COMMISSION

JAN 24 1990

CONSERVATION DIVISION
Wichita, Kansas

TELEPHONE:
AREA CODE 913 483-2827

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31

RUSSELL, KANSAS 67665

TO: Condor Energy Inc.
Box 108
Great Bend, Kansas 67530

INVOICE NO. 55399
PURCHASE ORDER NO. _____
LEASE NAME Cartung #8
DATE Dec. 3, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 108 sks @\$5.00	\$ 540.00	
Pozmix 72 sks @\$2.25	162.00	
WFR II 420 gal @\$0.21	88.20	
Salt 32 sks @\$4.75	<u>152.00</u>	\$ 942.20
Handling 180 sks @\$0.90	162.00	
Mileage (25) @\$0.03¢ per sk per mi	135.00	
Production string	838.00	
Mi @\$1.00 pmp. trk.	25.00	
1 plug	<u>31.00</u>	1,191.00
1-4½" AFU	161.00	
1 g. shoe	104.00	
8 cent.	328.00	
landing jt.	<u>23.40</u>	<u>616.40</u>
	Total	\$ <u>2,749.50</u>

*TAKE
Discount*

FILE COPY

THANK YOU

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1% PERCENT CHARGED THEREAFTER

RECEIVED
STATE CORPORATION COMMISSION

JAN 24 1990

CONSERVATION DIVISION
Wichita, Kansas

TELEPHONE:
AREA CODE 913 483-2027

ALLOY CEMENTING COMPANY, INC.
P. O. BOX 31
RUSSELL, KANSAS 67665

TO: Condor Energy Inc.
Box 108
Great Bend, Kansas 67530

INVOICE NO. 55346
PURCHASE ORDER NO. _____
LEASE NAME Cartong #8
DATE Nov. 28, 1989

SERVICE AND MATERIALS AS FOLLOWS:

Common 129 sks @\$5.00	\$ 645.00	
Pozmix 86 sks @\$2.25	193.50	
Gel 4 sks @\$6.75	27.00	
Chloride 6 sks @\$20.00	<u>120.00</u>	\$ 985.50
Handling 215 ssks @\$0.90	193.50	
Mileage (25) @\$0.03¢ per sk per mi	161.25	
Surface	360.00	
119' @\$0.39¢ per ft. over 300'	46.41	
Mi @\$1.00 pmp, trk.	25.00	
1 plug	<u>40.00</u>	<u>826.16</u>
	Total	\$ 1,811.66

Cement circ.

THANK YOU

FILE COPY

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1% PERCENT CHARGED THEREAFTER

RECEIVED
STATE CORPORATION COMMISSION
JAN 24 1990
CONSERVATION DIVISION
Wichita, Kansas