

WELL COMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 31-16  
 Name: Diversified Operating Corporation  
 Address 1675 Larimer St., Suite #850  
 City/State/Zip Denver, CO 80202-1523  
 Purchaser: N/A  
 Operator Contact Person: Terry J. Cammon  
 Phone ( 303 )-595-3957  
 Contractor: Name: Emphasis Oil Operations  
 License: 8241  
 Wellsite Geologist: Ron Nelson

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOV  Temp. Abd.  
 Gas  ENHR  SIGV  
 Dry  Other (Core, VSU, 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. \_\_\_\_\_  
9/9/94 9/17/94  
 Spud Date Date Reached TD Completion Date

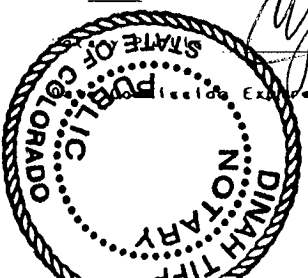
API #15-195-22,144-0000 ORIGINAL  
 County Trego  
NW - NW - NW - Sec. 5 Twp. 12S Rge. 25  E  
330 Feet from S  (circle one) Line of Section  
330 Feet from E  (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 NE, SE,  or SW (circle one)  
 Lease Name Toto Well # 8-4-5  
 Field Name Wildcat  
 Producing Formation None  
 Elevation: Ground 4655' 2528 KB 4660'  
 Total Depth 4660' PBDT \_\_\_\_\_  
 Amount of Surface Pipe Set and Cemented at 248 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 cat.  
 Drilling Fluid Management Plan D&A JN 12-15-95  
 (Data must be collected from the Reserve Pit)  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name \_\_\_\_\_  
 Lease Name \_\_\_\_\_ License No. \_\_\_\_\_  
 \_\_\_\_\_ Quarter Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Rng. \_\_\_\_\_ E/W  
 County \_\_\_\_\_ Docket No. \_\_\_\_\_

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 Terry J. Cammon  
 Title President Date 4/26/95

Subscribed and sworn to before me this 26th day of April  
 19 95



MY COMMISSION EXPIRES APRIL 19, 1998

K.C.C. OFFICE USE ONLY  
 Letter of Confidentiality Attached  
 Wireline Log Received  
 Geologist Report Received  
 STATE CORPORATION COMMISSION  
 RECEIVED  
 05-01-1995  
 MAY 1 1995  
 Distribution  
 SVD/Rep \_\_\_\_\_ KGPA  
 Plug \_\_\_\_\_ Other (Specify) \_\_\_\_\_  
 WICHITA, KANSAS

Sec. 5 Twp. 12S Rge. 25

East  
 West

County Trego

**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.)

Yes  No

Samples Sent to Geological Survey

Yes  No

Cores Taken

Yes  No

Electric Log Run  
(Submit Copy.)

Yes  No

List All E.Logs Run:

CDNL, DIL WITH SP SONIC

Log Formation (Top), Depth and Datum  Sample

Name Top Datum

\*\*\*PLEASE SEE ATTACHED DATA\*\*\*

**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 1/4"	8-5/8"	20#	251'	60/40 lite	145sks	3% CaCl & 6% Gel

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose:	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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 Specify Footage of Each Interval Perforated		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
				Depth

TUBING RECORD	Size	Set At	Pecker At	Liner Run
				<input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First, Resumed Production, SWD or Inj.	Producing Method
D & A	<input type="checkbox"/> Flowing <input 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
	N/A		N/A		N/A			

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

**METHOD OF COMPLETION**

Open Hole  Perf  Dually Comp  Cemented  
 Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# TRILOBITE TESTING, L.L.C.

P.O. Box 362 • Hays, Kansas 67601

API# 15-195-22144-00-00

## Drill-Stem Test Data

# ORIGINAL

Well Name TOTO 8-4-5 Test No. 1 Date 9/15/94  
 Company DIVERSIFIED OPERATING CORP. Zone FORT SCOTT  
 Address 1675 LARIMER ST #850-DENVER, CO. 80202 Elevation \_\_\_\_\_  
 Co. Rep./Geo. RON NELSON Cont. EMPHASIS RIG #5 Est. Ft. of Pay \_\_\_\_\_  
 Location: Sec. 5 Twp. 12S Rge. 25W Co. TREGO State KS

Interval Tested	<u>4309-4350</u>	Drill Pipe Size	<u>4.5" XH</u>
Anchor Length	<u>41</u>	Wt. Pipe I.D. - 2.7 Ft. Run	<u>349</u>
Top Packer Depth	<u>4304</u>	Drill Collar - 2.25 Ft. Run	<u>9.3</u>
Bottom Packer Depth	<u>4309</u>	Mud Wt.	<u>54</u> lb/Gal.
Total Depth	<u>4350</u>	Viscosity	<u>8.8</u> Filtrate

Tool Open @ 5:43 P.M. Initial Blow WEAK 1/4" BLOW DECREASING TO SURFACE  
 Final Blow NO BLOW

Recovery - Total Feet 20 Flush Tool? NO

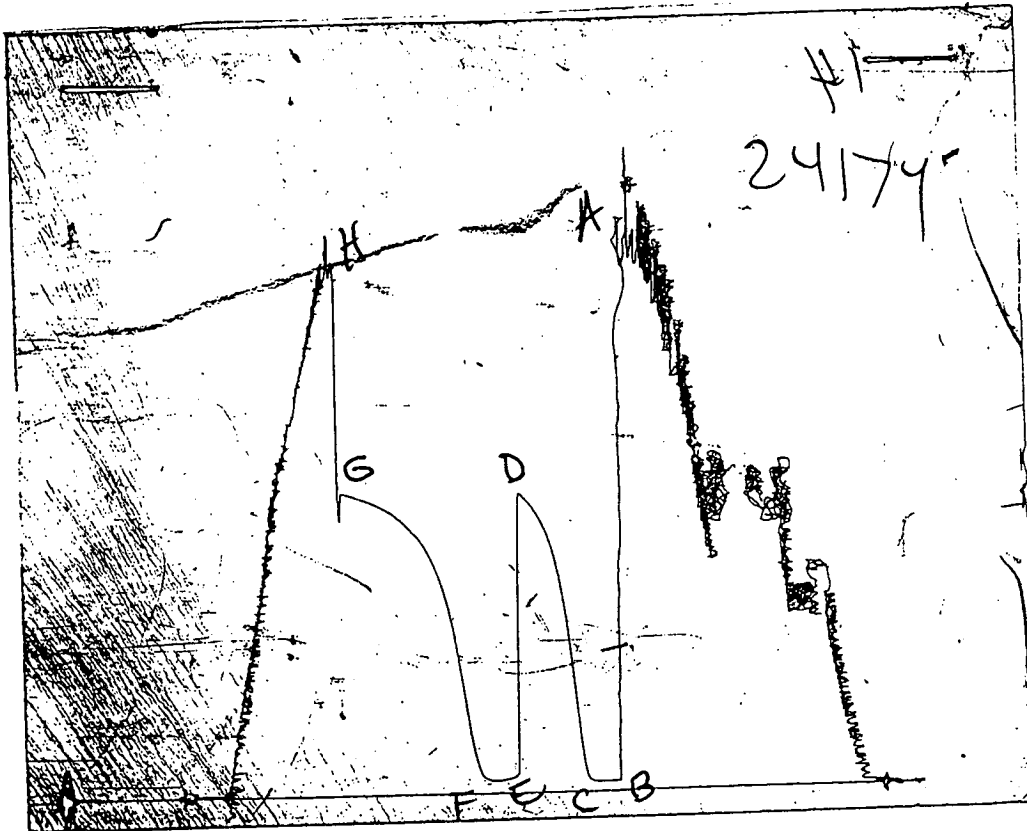
Rec. 20 Feet of VERY SLIGHTLY OIL STAINED MUD  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_

BHT 122 °F Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW 2.15 @ 70 °F Chlorides 2800 ppm Recovery Chlorides 2900 ppm System

(A) Initial Hydrostatic Mud 2220.9 PSI AK1 Recorder No. 22150 Range 3925  
 (B) First Initial Flow Pressure 32.5 PSI @ (depth) 4315 w / Clock No. 14077  
 (C) First Final Flow Pressure 32.5 PSI AK1 Recorder No. 24174 Range 3050  
 (D) Initial Shut-in Pressure 1155.5 PSI @ (depth) 4344 w / Clock No. 23935  
 (E) Second Initial Flow Pressure 48.9 PSI AK1 Recorder No. \_\_\_\_\_ Range \_\_\_\_\_  
 (F) Second Final Flow Pressure 42.9 PSI @ (depth) \_\_\_\_\_ w / Clock No. \_\_\_\_\_  
 (G) Final Shut-in Pressure 1169.1 PSI Initial Opening 15 Final Flow 15  
 (H) Final Hydrostatic Mud 2063.2 PSI Initial Shut-in 60 Final Shut-in 120

Our Representative PAUL SIMPSON

CHART PAGE



	FIELD READING	OFFICE READING
(A) INITIAL HYDROSTATIC MUD	2221	2220.9
(B) FIRST INITIAL FLOW PRESSURE	19	32.5
(C) FIRST FINAL FLOW PRESSURE	19	32.5
(D) INITIAL CLOSED-IN PRESSURE	1138	1155.5
(E) SECOND INITIAL FLOW PRESSURE	29	48.9
(F) SECOND FINAL FLOW PRESSURE	29	42.9
(G) FINAL CLOSED-IN PRESSURE	1149	1169.1
(H) FINAL HYDROSTATIC MUD	2080	2063.2

FLUID SAMPLER DATA

15-195-22144-00-00

ORIGINAL

Ticket No.: 7414

Date: 9/15/94

Company: DIVERSIFIED OPERATING CORP.

Lease: TOTO 8-4-5

Test No.: 1

County: TREGO

Sec.: 5

Twp.: 12S

Rng.: 25W

SAMPLER RECOVERY

Gas  
Oil 10  
Mud 3990  
Water  
Other  
Pressure 25  
TOTAL 4000

PIT MUD ANALYSIS

Chlorides 2900  
Resistivity 2.1 ohms@ 70 F  
Viscosity 54  
Mud Wt. 9.3  
Filtrate 8.8  
Other

SAMPLER ANALYSIS

Resistivity 2.15 ohms@ 70 F  
Chlorides 2800 ppm.  
Gravity corrected @60F

PIPE RECOVERY

TOP

Resistivity ohms@ F  
Chlorides ppm

MIDDLE

Resistivity ohms@ F  
Chlorides ppm

BOTTOM

Resistivity 2.15 ohms@ 70 F  
Chlorides 2800 ppm

EMPHASIS OIL OPERATIONS  
A Division of N-B Company, Inc.  
P. O. BOX 506  
RUSSELL, KS 67665

ORIGINAL

DRILLERS LOG

API#15-195-22144-00-00

OPERATOR: Diversified Operating Corporation  
1675 Larimer Street, Suite #850  
Denver, Colorado 80202-1523

CONTRACTOR: Emphasis Oil Operations  
Box 506  
Russell, KS 67665

LEASE: Toto

WELL #8-4-5

LOCATION: NW NW NW  
Section 5-12S-25W  
Trego County, Kansas

LOGGERS TOTAL DEPTH: 4665'

ROTARY TOTAL DEPTH: 4660'

COMMENCED: 9/9/94

CASING: 8-5/8" @ 248' w/145 sks cement

ELEVATION: 4660' K.B.

COMPLETED: 9/17/ 94

STATUS: Dry Hole

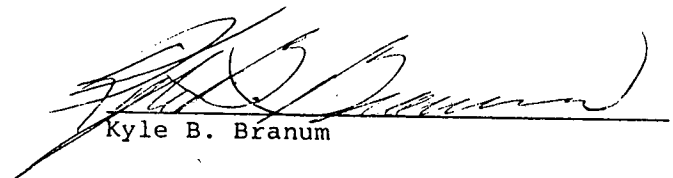
DEPTHS & FORMATIONS

(All measurements from K.B.)

Shale	165'	Lime & Shale	3461'
Shale & Sand	1394'	Shale & Lime	4058'
Anhydrite	2092'	Lime & Shale	4122'
Shale & Lime	2132'	Shale & Lime Sand	4306'
Lime & Shale	2851'	Lime & Shale (Arbuckle)	4585'
Shale & Lime	3273'	R.T.D.	4660'

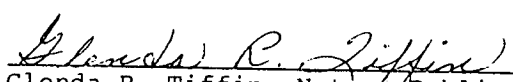
STATE OF KANSAS )  
                          ) ss  
COUNTY OF RUSSELL)

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 September, 19, 1994.

My commission expires: February 6, 1996.

  
\_\_\_\_\_  
Glenda R. Tiffin, Notary Public



Phone 913-483-2627, Russell, KS

Phone 913-625-5516, Hays, KS

Phone 316-886-5926, Medicine Lodge, KS

Phone 316-793-5861, Great Bend, KS

Phone 913-672-3471, Oakley, KS

Phone 913-798-3843, Ness City, KS

NEW

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

0007359 ORIGINAL

15-195-22144-00-00

Date	9-17-94	Sec.	5	FWP.	125	Range	25W	Called Out	6:20 AM	On Location	8:30 AM	Job Start	9:30 AM	Finish	1:30 PM
Lease	TOTO	Well No.	8-4-5	Location	COLLYER 1W-1W			County	TREGO	State	KS				

Contractor	EMPHASIS #16 #5	
Type Job	PTA	
Hole Size	7 7/8	T.D. 4660'
Csg.		Depth
Tbg. Size		Depth
Drill Pipe	4 1/2	Depth 4575'
Tool		Depth
Cement Left in Csg.		Shoe Joint
Press Max.		Minimum
Meas Line		Displace <input checked="" type="checkbox"/>
Perf.		

Owner	SAME
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Charge To	DIVERSIFIED OPERATING CORP.
Street	
City	State
The above was done to satisfaction and supervision of owner agent or contractor.	
Purchase Order No.	
X	Thomas Ah

### EQUIPMENT

No.	Cementer	TERRY WAYNE
Pumptrk 300	Helper	
No.	Cementer	R.G.
Pumptrk	Helper	
	Driver	
Bulktrk 218		
Bulktrk	Driver	

Amount Ordered	225 SKS 60/40 P02 6.266L 1/4 Fl-SEA
Consisting of	
Common	
Poz. Mix	
Gel.	
Chloride	
Quickset	
Sales Tax	

### DEPTH of Job

Reference:	PUMP TRUCK
	8 5/8 DRY HOLE PLUG
	2.25 PER MILE
	Sub Total
	Tax
	Total

Handling	
Mileage	
Sub Total	
Total	
Floating Equipment	

Remarks:

25 SKS AT 4575'

25 SKS AT 2100

100 SKS AT 1150'

40 SKS AT 290'

10 SKS AT 40'

15 SKS RAT HOLE 10 SKS MOUSE HOLE