



C O V E R

S H E E T

FAX

To: Dave Dillon  
Fax #: (303 894-2109  
Subject: Littlefield #12-34  
Date: February 13, 1998  
Pages: 2, including this cover sheet.

Dave,

Per our conversation, attached please find the cement job summary for the 1820' squeeze. If you will note on the Sundry Notice, there is a note telling you this occurred in February of 1994. I failed to submit this copy with the original. I will mail the a better copy to you in the mail today.

Terry will be calling you soon to discuss your other questions.

RECEIVED  
FEB 17 98  
COGCC

From the desk of...

Cheryl Cattau

Diversified Operating Corporation  
1675 Larimer Street, Suite 400  
Denver, Colorado 80202

(303 595-3957  
Fax: (303) 595-0429

WELL DATA

FIELD \_\_\_\_\_ SEC. 23 TWP. 8<sup>N</sup> RNG. 58<sup>W</sup> COUNTY Weld STATE Co

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	10.5	4 1/2	69	5687	
LINER						
TUBING	U	4.7	2 3/8	69	1723	500
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD		
PACKER		
OTHER <u>sq manifold</u>	<u>1</u>	<u>HALLCO</u>

JOB DATA

CALLS OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>2/9</u>	DATE <u>2/9</u>	DATE <u>2/9</u>	DATE <u>2/9</u>
TIME <u>03:00</u>	TIME <u>09:00</u>	TIME <u>10:15</u>	TIME <u>11:00</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. Yorum</u>	<u>D0547</u> serv. superv.	<u>Brighton</u>
<u>C. Warden</u>	<u>G2143</u> 51273 75051 P	<u>"</u>
<u>R. Schmetz</u>	<u>62509</u> 51801 5143 P	<u>"</u>
<u>J. Vedstead</u>	<u>64260</u> SR serv. superv.	<u>"</u>

BEST IMAGE AVAILABLE

MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_  
 PERFFAC BALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
 OTHER \_\_\_\_\_

DEPARTMENT C.M.T.  
 DESCRIPTION OF JOB Squeeze

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG./ANN.

CUSTOMER REPRESENTATIVE X WC Modder

HALLIBURTON OPERATOR Jim Yorum COPIES REQUESTED 1

CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
<u>1</u>	<u>150</u>	<u>50/50 Poz</u>	<u>B</u>	<u>2% Gel</u>	<u>1.26</u>	<u>14.1</u>
<u>2</u>	<u>100</u>	<u>STAND</u>	<u>B</u>	<u>2% CC</u>	<u>1.18</u>	<u>15.8</u>

PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET \_\_\_\_\_ REASON \_\_\_\_\_

SUMMARY

VOLUMES

PRELUSH: BBL.-GAL. 566 TYPE \_\_\_\_\_  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. JOB DISPL: BBL.-GAL. \_\_\_\_\_  
 CEMENT SLURRY: BBL.-GAL. \_\_\_\_\_  
 TOTAL VOLUME: BBL.-GAL. LOG

RAMARKS

Picker set @ 1723  
Hold in casing @ 1819  
B.P @ 5687

CUSTOMER Diversified Operating Co  
 LEASE L.H.Helfield  
 WELL NO. 12-23  
 JOB TYPE Squeeze  
 DATE 2/9/99

Diversified Operating Corporation  
1675 Larimer Street, Suite ~~850~~ **400**  
Denver, Colorado 80202



State of Colorado  
Oil & Gas Conservation Commission  
1120 Lincoln Street, Suite 801  
Denver, Colorado 80203

80203+2137

